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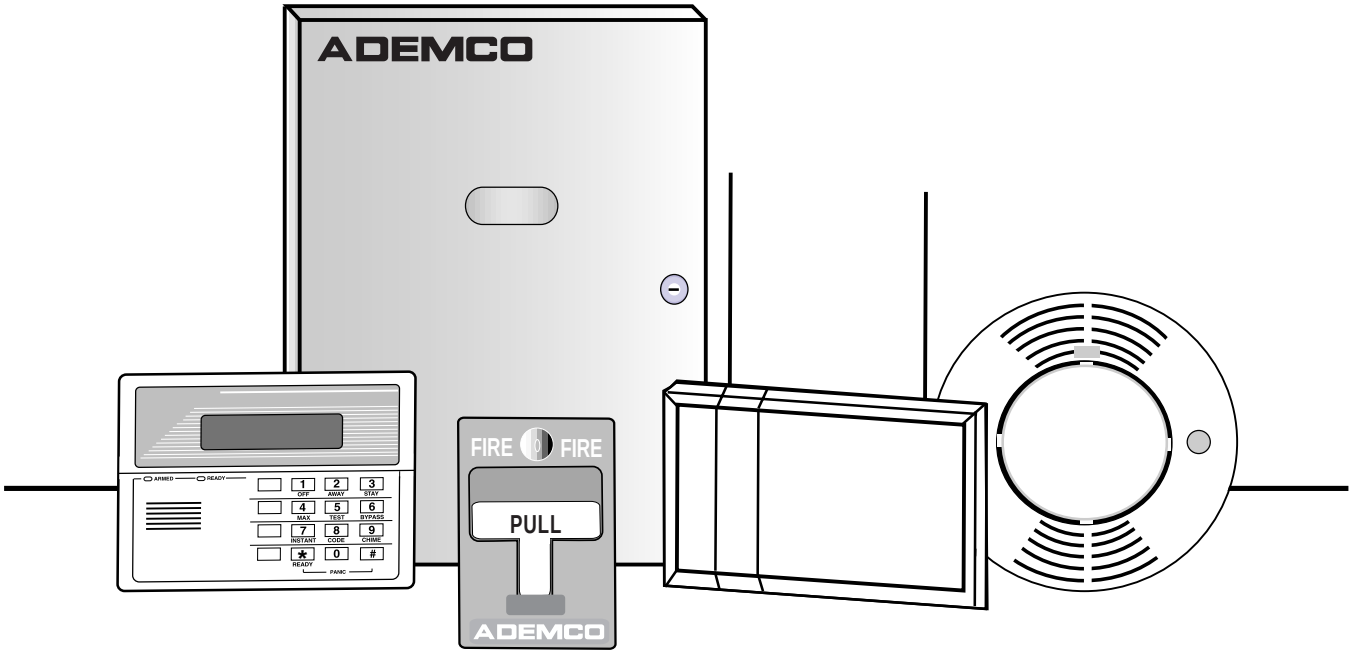
VISTA-128FB

Commercial Fire and Burglary
Partitioned Security System
with Scheduling

Quick Start Guide



®ADEMCO

V128FB-PRV1 10/98

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The purpose of this document is to provide a quick and easy way to program your entire system. A recommended programming procedure is included, followed by a list of program fields with the corresponding program group they belong to (system-wide, partition-specific, scheduling, etc.). Two program forms are included, one contains all the programming fields, and the other contains the partition-specific fields. If you are setting up a single-partition system, the partition-specific fields become system-wide fields.

Following the program forms are system layout worksheets. We recommend that you use these sheets to plan your system before programming is performed. If you need further information about specific programming options, see the VISTA-128FB INSTALLATION INSTRUCTIONS.

- Make sure that one two-line alpha keypad is connected to the control and is set to device address "00."

Single Partition System

- The system default is for a single partition system. Use the VISTA-128FB SINGLE PARTITION PROGRAMMING FORM when programming for single partition usage. Follow the steps outlined in RECOMMENDED PROGRAMMING PROCEDURE of this document for proper programming procedure.

Multiple-Partition System

- You must enter the number of partitions you are using in data field 2*00 to set the system for multiple partitions. Use the VISTA-128FB SINGLE PARTITION and the PARTITION-SPECIFIC PROGRAM FORMS when programming the system for multiple partitions. Follow the steps outlined in RECOMMENDED PROGRAMMING PROCEDURE of this document for proper programming procedure.

SUMMARY OF PROGRAMMING COMMANDS

- **To enter program mode,** enter installer code + [8] + [0] + [0] + [0]
- **To set standard defaults,** press *97
- **To set communication defaults,** press *94 + one of the following: *80=low speed; *81=Ademco Express; *82=Ademco High Speed; *83=Ademco's Contact ID
- **To change to next page of program fields,** press *94
- **To return to previous set of fields,** press *99
- **To erase account & phone number field entries,** press [*] + field number + [*]
- **To assign zone descriptors,** press #93 + follow menu prompts
- **To add custom words,** press #93 + follow menu prompts
- **To enter Installer's Message,** press #93 + follow menu prompts
- **To exit program mode,** press *99 OR *98: *99 allows re-access to programming mode by installer code. *98 prevents re-access to programming mode by installer code.

Standard default (*97) values are shown in brackets [ ], otherwise default = 0.

Recommended Programming Procedure

The following is a step-by-step procedure recommended for programming your VISTA-128FB system.

1. **Set the keypads (and other peripheral devices) to the appropriate addresses.**
2. **Set factory defaults by pressing *97.**
   This will automatically enable keypad addresses 00-01, so be sure at least one keypad is set to one of these addresses
3. **Program system-wide (global) data fields.**
   Using the programming form as a guide, enter program mode and program all system wide programming fields. These options affect the entire system, regardless of partitions. They include control options, downloader and dialer options, RF options, event logging options, etc. Refer to the COMPLETE LIST OF PROGRAMMING FIELDS for a listing of the program fields arranged by function.
   Note that field 2*00 (number of partitions) must be programmed before continuing.
4. **Program partition-specific fields.**
   When the system-wide fields have been programmed, program all partition-specific programming fields by first pressing *91 to select a partition (while still in data field program mode). Then enter the first partition-specific field number *09. The next partition-specific field will automatically be displayed when you are finished entering the value for field *09. Partition-specific fields can have different values for each partition. To program the fields for the next partition, press *91, enter the desired partition number, then enter field *09. Refer to the MECHANICS OF PROGRAMMING section in the VISTA-128FB INSTALLATION INSTRUCTIONS for detailed instructions.
5. **Use #93 Menu Mode for device programming.**
   Refer to the DEVICE PROGRAMMING section to assign keypad ID numbers and default partitions for each keypad, and to selectively suppress certain keypad sounding options. Also use this mode to assign RF receivers, relay modules, the VIP module, the ecp Long Range Radio, and the Vista Gateway Module.
6. **Use #93 Menu Mode for zone programming.**
   Refer to the ZONE PROGRAMMING section to program zone response types, assign right loop zones and wireless zones, assign zones to partitions, and to program alarm report codes.
7. **Use #93 Menu Mode for programming relays.**
   Refer to the RELAY PROGRAMMING section to program desired relay operation.
8. **Program Communication options.**
   Refer to the COMMUNICATION PROGRAMMING section for further instructions to load communication defaults and to program related fields. Then use #93 mode to program report codes if necessary.
9. **Use #93 Menu Mode for programming alpha descriptors.**
   Refer to the ALPHA PROGRAMMING section to enter zone and partition descriptors and a custom installer's message.
10. **Use #93 Menu Mode for relay voice descriptors and custom word substitutes.**
    Refer to the RELAY VOICE DESCRIPTORS section for further instructions for programming relay descriptors to be annunciated by the VIP module, as well as the CUSTOM INDEX section for custom word substitutes.
11. **Use #80 Mode for programming schedules.**
    Refer to the SCHEDULING section to program open/close schedules, temporary and holiday schedules, limitation of access schedules, and time driven events.
12. **Define user access codes.**
    Refer to SECURITY ACCESS CODES section to program authority level, O/C reporting option, partition assignments, and wireless key assignments for each user.

13. Exit Programming Mode.

Exit programming mode by pressing either *98 or *99. Additional entries of *99 is required if the exit is being done from fields 1*00 and above.

To prevent re-access to programming mode using the Installer's code, use *98. The only way to re-access programming mode is by depressing both the [*] and [#] keys at the same time within 30 seconds of power up.

Exiting by using *99 always allows reentry into programming mode using the Installer's code. Either way of exiting will allow access via downloading. Note that if local programming lockout is set via downloading, programming mode cannot be entered at the keypad.

Program Field Categories

In the following pages, the programming fields have been arranged by category. Use this index to cross reference the numerical ordered fields on the programming form.

Field	Group
*00	System-Wide
*08	System-Wide
*09	Partition-Specific
*10	Partition-Specific
*11	Partition-Specific
*12	Partition-Specific
*13	Partition-Specific
*15	System-Wide
*16	Partition-Specific
*17	System-Wide
*19	System-Wide
*20	System-Wide
*22	Partition-Specific
*23	Partition-Specific
*24	System-Wide
*25	System-Wide
*26	Communications
*27	Communications
*28	System-Wide
*29	Partition-Specific
*30	Communications
*31	Communications
*32	Partition-Specific
*33	Communications
*34	Communications
*35	System-Wide
*36	System-Wide
*37	System-Wide
*38	Partition-Specific
*39	Partition-Specific
*40	Communications
*41	System-Wide
*42	Communications
*43	Communications
*44	Communications
*45	Communications
*46	Communications
*47	Communications
*48	Communications
*49	Communications
*50	Communications
*51	Communications
*52	Communications
*53	Communications
*56	Communications
*57	Communications
*58	Communications
*59	Communications
*64	Communications
*65	Communications
*66	Communications
*67	Communications

Field	Group
*68	Communications
*69	Communications
*70	Communications
*71	Communications
*72	Communications
*73	Communications
*74	Communications
*75	Communications
*76	Communications
*79	Communications
*80	Communications
*83	Communications
*84	Partition-Specific
*85	Partition-Specific
*87	Partition-Specific
*88	Partition-Specific
*89	Communications
*90	Partition-Specific
1*01	#93 Menu Mode
1*02	#93 Menu Mode
1*03	#93 Menu Mode
1*04	#93 Menu Mode
1*05	#93 Menu Mode
1*06	#93 Menu Mode
1*07	#93 Menu Mode
1*08	#93 Menu Mode
1*09	#93 Menu Mode
1*17	System-Wide
1*18	Partition-Specific
1*19	Partition-Specific
1*20	System-Wide
1*21	System-Wide
1*22	System-Wide
1*23	System-Wide
1*24	System-Wide
1*25	System-Wide
1*26	System-Wide
1*28	System-Wide
1*29	System-Wide
1*30	System-Wide
1*31	System-Wide
1*33	Communications
1*34	Communications
1*42	Communications
1*43	Partition-Specific
1*44	System-Wide
1*45	Partition-Specific
1*47	Partition-Specific
1*48	System-Wide
1*49	System-Wide
1*52	Partition-Specific
1*53	System-Wide

Field	Group
1*56	System-Wide
1*57	System-Wide
1*58	System-Wide
1*60	System-Wide
1*70	System-Wide
1*71	System-Wide
1*72	System-Wide
1*73	System-Wide
1*74	System-Wide
1*75	System-Wide
1*76	Partition-Specific
1*77	System-Wide
2*00	System-Wide
2*01	System-Wide
2*02	System-Wide
2*05	Partition-Specific
2*06	Partition-Specific
2*07	Partition-Specific
2*08	Partition-Specific
2*09	Partition-Specific
2*10	Partition-Specific
2*11	System-Wide
2*18	Partition-Specific
2*19	Partitioning
2*20	Partition-Specific
2*21	System-Wide
2*22	Partition-Specific
2*23	Partition-Specific
2*24	Partition-Specific
3*00	System-Wide
3*01	System-Wide
3*12	System-Wide
3*13	System-Wide
3*14	System-Wide
3*15	System-Wide
3*16	System-Wide
3*17	System-Wide
3*18	System-Wide
3*19	System-Wide
3*20	System-Wide
3*21	System-Wide
3*30	System-Wide
3*31	System-Wide
3*50	System-Wide
3*55	System-Wide
3*56	System-Wide
3*57	Partition-Specific
3*59	Partition-Specific
3*60	Partition-Specific
3*61	System-Wide
3*82	System-Wide
3*85	System-Wide

VISTA 128FB Programming Form

Some fields are programmed for each partition (shown as shaded fields). If Programming a Multiple Partition System, see the PARTITION-SPECIFIC section for programming these fields. Standard default (*97) values are shown in brackets [ ], otherwise default = 0.

***00** INSTALLER CODE

Enter 4 digits, 0-9 [5140]

***08** TEMPORAL SIREN PULSE [0]

1 = Yes; 0 = No

***09** ENTRY DELAY #1 [02]

00-15 times 15 seconds
Maximum "03" for UL Commercial Burglary installations.

***10** EXIT DELAY #1 [03]

00-15 times 15 seconds
Maximum "04" for UL Listed installations.

***11** ENTRY DELAY #2 [06]

00-15 times 15 seconds (must be longer than Entry Delay #1).
Maximum "03" for UL Commercial Burglary installations.

***12** EXIT DELAY #2 [08]

00-15 times 15 seconds (must be longer than Exit Delay #1)
Maximum "04" for UL Commercial Burglary installations.

***13** BELL 1 TIMEOUT [04]

01-15 times 2 minutes. Minimum 16 min. for UL Commercial Burglary and 6 min. for Commercial Fire.

***15** KEYSWITCH ASSIGNMENT [0]

Enter partition in which keyswitch used,
1-8; 9=Silences bells if fire present; 0=disable

***16** BELL 1 CONFIRMATION OF ARMING DING [0]

1=enable; 0=disable. Must be "1" for UL Burglary Installations.

***17** AC LOSS KEYPAD SOUNDING [0]

1=yes; 0=no

***19** RANDOMIZE AC LOSS REPORT [2]

1=10-40 min; 2=6-12 hrs; 0=normal report (about 2 min. after AC loss). Must be "2" for Central and Remote Station Fire alarm systems.

***20** VIP MODULE PHONE CODE

Enter 01 - 09 for the first digit; enter [00] , [11]
11 for "*" or 12 for "#" for the second digit. This field

Must be set to "0" for Commercial Fire & UL Commercial Burglary installations.

***22** KEYPAD PANIC ENABLE [001]

1=enable; 0=disable 995 996 999

***23** MULTIPLE ALARMS [1]

1=yes; 0=no

***24** IGNORE EXPANSION ZONE TAMPER [0]

1=Ignore; 0=Enable tamper for RF and RPMs. Must be "0" for UL installations if using these devices.

***25** BURG.TRIGGER FOR RESPONSE TYPE 8 [1]

1=enable; 0=disable

***26** INTELLIGENT TEST REPORTING [0]

1=yes, (no report sent if any other report was recently sent); 0=no.. Must be 0 for Commercial Fire & UL Commercial Burglary.

***27** TEST REPORT INTERVAL [024]

Enter interval in hours, 001-999; 000=no report ; Max. 024 for Commercial Fire & UL.

***28** POWER UP IN PREVIOUS STATE [1]

1=yes; 0=no; "1" for UL.

***29** QUICK ARM [1]

1=yes; 0=no

***30** MAIN DIALER (TOUCHTONE OR ROTARY) [0]

1=TouchTone; 0=rotary

***31** PABX ACCESS CODE

00-09; B-F (11-15)

***32** PRIM. SUBS. ACCT #

Enter 00-09; B-F (11-15) [15 15 15 15]

***33** PRIMARY PHONE NUMBER

Enter 0-9 for each digit. Enter #11 for *, #12 for #, #13 for 2 second pause

***34** SECONDARY PHONE NUMBER

Enter 0-9 for each digit. Enter #11 for *, #12 for #, #13 for 2 second pause

***35** DOWNLOAD PHONE No.

Enter 0-9 for each digit. Enter #11 for *, #12 for #, #13 for 2 second pause

***36** DOWNLOAD ID No.

Enter 00-09; A-F (10-15) [15 15 15 15 15 15 15 15]

***37** DOWNLOAD COMMAND ENABLES

☐	☐	0	☐	☐	☐	☐	☐
Dialer Shutdwn	System Shutdwn	Not Used	Remote Bypass	Remote Disarm	Remote Arm	Upload Program	Download Program

See field 1*53 for Callback disable option; [1=enable]; 0=disable; For Commercial Fire & UL installations, all entries must be "0."

***38** PREVENT ZONE XXX BYPASS [000] ☐☐☐

001-128; 00 if all zones can be bypassed

***39** ENABLE OPEN/CLOSE REPORT FOR INSTALLER CODE [1] ☐ 1=enable; 0=disable

***40** OPEN/CLOSE REPORT FOR KEYSWITCH [0] ☐

1=enable; 0=disable

***41** NORMALLY CLOSED or EOLR (Zones 3-8) [0] ☐

1=N.C.loops; 0=EOLR supervision; Must be "0" for Commercial Fire & UL.

***42** DIAL TONE PAUSE [0] ☐

0=5 seconds; 1=11 seconds; 2=30 seconds; Must be "0" Commercial Fire & UL.

***43** DIAL TONE DETECTION [1] ☐

1=wait for true dial tone; 0=pause, then dial

***44** RING DETECTION COUNT [00] ☐☐

01-14; 15=answering machine; 00=no detection. Must be "00" for Commercial Fire & UL Burglary.

***45** PRIMARY FORMAT [0] ☐

0=Low Speed; 1=Contact ID; 2=Ademco High Speed; 3=Ademco Express

***46** LOW SPEED FORMAT (Primary) [0] ☐

0=Ademco Low Speed; 1=Sescoa/Radionics

***47** SECONDARY FORMAT [0] ☐

0=Low Speed; 1=Contact ID; 2=Ademco High Speed; 3=Ademco Express

***48** LOW SPEED FORMAT (Sec.) [0] ☐

0=Ademco Low Speed; 1=Sescoa/Radionics

***49** CHECKSUM VERIFICATION [0] [0] ☐ ☐

1=yes; 0=no Prim Sec

***50** SESCOA/RADIONICS SELECT [0] ☐

1=Sescoa; 0=Radionics

***51** DUAL REPORTING [0] ☐

1=yes; 0=no If used with Spilt Reporting "1" option (1*34), alarms and alarm restores go to both primary & secondary numbers, while all other reports go to secondary only. If used with Split Reporting "2" option, alarms and alarm restores go to both, open/close and test messages go to secondary only, while all other reports go to primary. If used with Split Reporting "3" option, fire alarms and fire supervisory signals go to both primary and secondary, while all other reports go to secondary only.

***52** STANDARD/EXPANDED REPORT FOR PRIMARY

[0 0 0 0 0 0] ☐ ☐ ☐ ☐ ☐ ☐

Alarm Rstr Bypass Trbl Opn/Cls Low Bat

0=standard; 1=expanded;
Note: Expanded overrides 4+2 format.

***53** STANDARD/EXPANDED REPORT FOR SECONDARY

[0 0 0 0 0 0] ☐ ☐ ☐ ☐ ☐ ☐

Alarm Rstr Bypass Trbl Opn/Cls Low Bat

0=standard; 1=expanded;
Note: Expanded overrides 4+2 format.

***56** USE LRR ONLY [0] ☐

0=No, 1=Yes, if built-in dialer will not be used.

***57** LRR IF DIALER FAILS [0] ☐

0=No, 1=Yes, if radio is to be used as a backup to dialer

***58** LRR ENABLE CS #1

[0 0 0 0 0 0] ☐ ☐ ☐ ☐ ☐ ☐

Alrm Trbl Byp O/C Syst Tst

0=disable, 1=enable for reports for primary subs id of LRR

***59** LRR ENABLE CS#2

[0 0 0 0 0 0] ☐ ☐ ☐ ☐ ☐ ☐

Alrm Trbl Byp O/C Syst Tst

0=disable, 1=enable for reports for secondary subs id of LRR

***64** PAGER INSTALLED [0] ☐

0=No, 1=Yes, alpha numeric pager interface is installed.

***65** PAGER PHONE # FOR ALARMS

☐☐☐☐☐☐☐☐☐☐

☐☐☐☐☐☐☐

Enter 0-9 for each digit. Enter #11 for *, #12 for #, #13 for 2 second pause

***66** PAGER ID # FOR ALARMS

☐☐☐☐☐☐☐☐☐☐

Enter up to 10 digits for the pager id #

***67** PAGER PHONE # FOR TROUBLES

☐☐☐☐☐☐☐☐☐☐

☐☐☐☐☐☐☐

Enter 0-9 for each digit. Enter #11 for *, #12 for #, #13 for 2 second pause

***68** PAGER ID # FOR TROUBLES

☐☐☐☐☐☐☐☐☐☐

Enter up to 10 digits for the pager id #

***69** PAGER PHONE # FOR BYPASSES

☐☐☐☐☐☐☐☐☐☐

☐☐☐☐☐☐☐

Enter 0-9 for each digit. Enter #11 for *, #12 for #, #13 for 2 second pause

***70** PAGER ID # FOR BYPASSES

☐☐☐☐☐☐☐☐☐☐

Enter up to 10 digits for the pager id #

***71** PAGER PHONE # FOR OPENS/CLOSES

Enter 0-9 for each digit. Enter #11 for *, #12 for #, #13 for 2 second pause

***72** PAGER ID # FOR OPENS/CLOSES

Enter up to 10 digits for the pager id #

***73** PAGER PHONE # FOR SYSTEM

Enter 0-9 for each digit. Enter #11 for *, #12 for #, #13 for 2 second pause

***74** PAGER ID # FOR SYSTEM

Enter up to 10 digits for the pager id #

***75** PAGER PHONE # FOR TEST

Enter 0-9 for each digit. Enter #11 for *, #12 for #, #13 for 2 second pause

***76** PAGER ID # FOR TEST

Enter up to 10 digits for the pager id #

ZONE TYPE RESTORE ENABLES

***79** FOR ZONE TYPES 1-8 ***80** FOR TYPES 9/10

1 2 3 4 5 6 7 8 9 10

1=enable; [0=disable]

***83** FIRST TEST REPORT TIME

[Day 00; hour 12; min 00] Days 01-07 Hours 00-23 Min 00-59; 00 in all boxes=instant (Day 01= Monday)

***84** SWINGER SUPPRESSION [03]

01-15 alarms; Must be "00" (disabled) for UL.

***85** ENABLE DIALER REPORTS [0]

FOR PANICS & DURESS 995 996 999 Duress

1=enable; 0=disable

***87** ENTRY WARNING [1]

1=continuous; 0=3 beeps

***88** BURG. ALARM COMM. DELAY [0]

1=16 seconds; 0=no delay. Must be "0" for UL Commercial Burg. installations.

***89** RESTORE REPORT TIMING [0]

0=Instant; 1=After bell timeout if zone is restored; 2=when system is disarmed. Must be "0" for fire or UL Commercial Burg. installations.

***90** SEC. SUBS. ACCT #

Enter 00-09; B-F (11-15) [15 15 15 15]

1*17 LOBBY PARTITION [0]

Enter the "common lobby" partition (1-8)

1*18 AFFECTS LOBBY [0]

Enter 1 if this partition affects the common lobby; enter 0 if it does not. Must be "0" for Commercial Fire & UL installations.

1*19 ARMS LOBBY [0]

Enter 1 if arming this partition attempts to arm lobby; enter 0 if it does not. Must be "0" for Commercial Fire & UL installations.

1*20 EXIT ERROR LOGIC [0]

0=No, 1=Bypass E/E and Interior zones faulted after exit delay. Must be "0" for Commercial Fire & UL installations.

1*21 EXIT DELAY RESET [0]

0=No; 1=Resets Exit Delay to 60 seconds after zone is closed. Must be "0" for Commercial Fire & UL installations.

FIELDS 1*22-1*25: Allow four sets of two zones each to be linked so that both must fault within a five minute period to cause an alarm.

1*22 CROSS-ZONING PAIR ONE

1*23 CROSS-ZONING PAIR TWO

1*24 CROSS-ZONING PAIR THREE

1*25 CROSS-ZONING PAIR FOUR

1*26 PANIC BUTTON OR SPEEDKEY

[00, 00, 00, 00] **A** **B** **C** **D**

Enter speedkey macro # (01-35) to use keys A-C for macro. Otherwise enter 00 to use as panic. For D key, enter macro # or 00 to select macro when key is pressed.

MISCELLANEOUS WIRELESS OPTIONS

Fields 1*28 - 1*32 are not applicable to Commercial Fire or UL installations.

1*28 RF TX LOW BATTERY SOUND [0]

1=immediate; 0=when disarmed

1*29 RF TX LOW BATTERY REPORT ENABLE [0]

1=enable; 0=disable

1*30 RF RCVR CHECK-IN INTERVAL [02]

02-15 times 2 hours; 00 disables supervision

1*31 RF TRANSMITTER CHECK-IN INTERVAL [02]

02-15 times 2 hours; 00 disables transmitter supervision

1*33 TOUCH-TONE W/ROTARY BACKUP [0]

1=enable; 0=disable

1*34 COMM. SPLIT REPORT SELECTION [0]

0=no; 1=alarms and alarm restores primary, others secondary; 2=open/close, test secondary, others primary; 3 = fire alarms & troubles primary, all secondary. See ✳51 for comments if using with dual reporting.

1*42 CALL WAITING DEFEAT [0] ☐

1=Yes; 0=No.

1*43 PERM. KEYPAD BACKLIGHT [0] ☐

1=enable; 0=disable When disabled, display lights when any key is pressed, and turns off after period of keypad inactivity.

1*44 WIRELESS KEYPAD [0] ☐

TAMPER DETECT ENABLE 1=enable; 0=disable. Must be "0" for Commercial Fire and UL installations.

1*45 EXIT DELAY SOUNDING [0] ☐

1=enable; 0=disable. Produces quick beeping during exit delay if enabled.

1*47 CHIME ON BELL 1 [0] ☐

1=enable; 0=disable

1*48 WIRELESS KEYPAD ASSIGNMENT [0] ☐

0=disable; enter partition in which RF keypad used, 1-8. Must be "0" for Commercial Fire and UL installations.

1*49 SUPPRESS TX SUPERVISION SOUND [1] ☐

1=disable; 0=enable. Must be "0" for Commercial Fire and UL installations.

1*52 SEND CANCEL IF ALARM + OFF [0] ☐

1=no restriction; 0=within bell timeout period only

1*53 DOWNLOAD CALLBACK [0] ☐

1=callback not required; 0=callback required; Must be "0" for Commercial Fire and UL installations.

1*56 50/60 Hz CLOCK SPEED [0] ☐

1=50 Hz; 0=60 Hz.

1*57 ENABLE 5800 RF BUTTON GLOBAL ARM [0] ☐

1=enable; 0=disable

1*58 5800 RF BUTTON FORCE ARM [0] ☐

Enter "1" to enable. If a zone is faulted after pressing button, console will beep once. User should press button again within 4 sec. to force bypass those zones. Enter "0" to disable.
Must be "0" for Commercial Fire and UL installations.

1*60 ZONE 5 AUDIO ALARM VERIFICATION [0] ☐

Enter 1 If 2-way audio (AAV) is being used; Enter 0 if it is not.
Must be "0" for Commercial Fire and UL installations.

1*70 EVENT LOG TYPES

[1 0 0 0 1 0] ☐ ☐ ☐ ☐ ☐ ☐

Alrm Chck Byps O/C Syst Test

1=enable; 0=disable

1*71 12/24 HOUR TIME STAMP FORMAT [0] ☐

0=12 hour; 1=24 hour

1*72 EVENT LOG PRINTER ON-LINE [0] ☐

0=disable; 1=enable

1*73 PRINTER BAUD RATE 1=300; 0=1200 [0] ☐

Must be 1200 if using pager interface

1*74 RELAY TIMEOUT XX MINUTES [000] ☐☐☐

Enter the relay timeout, **0-127** in multiples of 2 minutes, desired for #80 Menu Mode time driven event relay command numbers "04/09" and #93 Menu Mode Relay Programming output command "56".

1*75 RELAY TIMEOUT YY SECONDS [000] ☐☐☐

Enter the relay timeout, **0-127** seconds, desired for #80 Menu
Mode time driven event relay command numbers "05/10" and #93 Menu Mode Relay Programming command "57".

1*76 ACCESS CONTROL RELAY FOR PART.[00] ☐☐

Relay will be pulsed for 2 seconds whenever code + [0] is pressed. Enter 00-16; 00=none. Must be "00" for Commercial Fire & UL..

1*77 LOG FIRST MAINTENANCE SIGNAL [0] ☐

0=No Log; 1=Log first maintenance signal from each smoke detector

3rd Page Programming Fields (press *94)

2*00 NUMBER OF PARTITIONS [1] ☐

Enter 1-8

2*01 DAYLIGHT SAVINGS TIME [04, 10] ☐☐ ☐☐

START/END MONTH Start End
00-12; if no daylight savings time, enter 00,00

2*02 DAYLIGHT SAVINGS TIME [1, 5] ☐☐

START/END WEEKEND # Start | End
Enter 1-7. 1=first; 2=second; 3=third; 4=fourth; 5=last; 6=next to last; 7=3rd from last [1,5; 1st Sunday in April, last in Oct.]

2*05 AUTO-ARM DELAY [15] ☐☐

Enter the time between the end of the arming window and the start of auto-arming warning period, in values of 1-14 times 4 minutes 00=instant; [15=no auto arm at all]. When this delay expires, the Auto-Arm Warrning Period begins.

2*06 AUTO-ARM WARNING PERIOD [15] ☐☐

This is the time during which the user is warned to exit the premises prior to the auto-arming of the system (beeps every 15 seconds; "ALERT" displayed). Enter 01-15 minutes. 00=instant at end of arming delay .

2*07 AUTO-DISARM DELAY [15] ☐☐

This is the time between the end of the disarming window and the start of auto-disarming. Enter 01-14 times 4 minutes; 00=instant at end of window; 15=no auto-disarm.

2*08 ENABLE FORCE ARM FOR AUTO-ARM [0] ☐

0=disable; 1=enable

2*09 OPEN/CLOSE REPORTS BY EXCEPTION [0] ☐

1=enable; 0=disable; If enabled, only openings and closings occurring outside the scheduled opening/closing windows will trigger dialer reports. Opening reports will also be suppressed during the closing window, in order to prevent false reports when the user arms the system and then reenters the premises to retrieve a forgotten item.

2*10 ALLOW DISARMING ONLY DURING [0] ☐

ARMING/DISARMING WINDOWS
0=disable; 1=enable
See system-wide field 2*11 if enabling field 2*10. This feature adds high security to the installation.

2*11 ALLOW DISARM OUTSIDE WINDOW [0] ☐

IF ALARM OCCURS

Used only if field 2*10 (partition-specific field) is set to "1". If this field is enabled ("1") the system can be disarmed outside the disarm window if an alarm has occurred. If "0", disarming can only be done during the disarm window. If field 2*10 is set to "0" for a partition, this field has no effect for that partition.

2*18 ENABLE GOTO FOR THIS PARTITION [0] ☐

1=Allow log-on from other partitions; 0=disable

2*19 USE PARTITION DESCRIPTORS [0] ☐

0=disable; 1=enable

2*20 ENABLE J2 TRIGGERS by PARTITION [1] ☐

0=disable for displayed partition; 1=enable for displayed partition

2*21 ENABLE SUPERVISION PULSES FOR LRR

TRIGGER OUTPUTS [00000] ☐☐ ☐☐☐

F B P S T

Used for supervised connection to 7920SE.
Enter 0 to disable or 1 to enable the listed outputs.
F= Fire; B= Burglary; S= Silent panic/duress. Enter 1 for Commercial Burglary and UL.

2*22 DISPLAY FIRE ALARMS OF [0] ☐

OTHER PARTITIONS
0=No; 1=Yes.

2*23 DISPLAY BURG & PANIC ALARMS OF [0] ☐

OTHER PARTITIONS
0=No; 1=Yes.

2*24 DISPLAY TROUBLES OF OTHER [0] ☐

PARTITIONS
0=No; 1=Yes.

4th Page Programming Fields (press *94)

3*00 DISPLAY TRBL INSTEAD OF CHECK [0] ☐

3*01 FIRE DISPLAY LOCK [0] ☐

0=scroll all alarms; 1=lock display of first fire alarm.

3*12 ZN TYPE 18 DELAY USE [1] ☐

0=Check Displayed; 1=Trbl Displayed

3*13 SUPV. N.O./N.C. SELECTION [0] ☐

0=Supv. on short/trouble on open; 1=supv. on short or open

3*14 WATERFLOW SILENCE OPTION [0] ☐

0=Silence on Code + OFF; 1=Silence when waterflow restores

3*15 ALARM BELL SOUND [1,0] ☐ ☐

0=pulsed; 1=steady Bell 1 Bell 2

3*16 DELAY for ZONE TYPES 17 & 18 [00] ☐☐

(Waterflow & FIre Supv) Enter 00-15 times 2 seconds

3*17 ALTERNATE FUNCTION (TAMPER) [0] ☐

FOR ZONE 6 0=disabled; 1=enabled

3*18 EXTENDED DELAY FOR TYPES 17&18 [0] ☐

0=No; 1=Yes

3*19 ENABLE J2 HEADER PRINTER PORT [0] ☐

0=pins 5&9 function as per field 3*20; 1=pins 5&9 act as printer RXD & DTR

3*20 TRIGGER OUTPUTS SELECTION [0] ☐

0= LORRA full connection & Remote Console Sounder; 1=LORRA limited conn. & Keyswitch LEDs; 2=LORRA fire only conn. & 5140LED

3*21 MAX # OF DIALER ATTEMPTS [8] ☐

1-8 (3, 4 or 5 for NFPA72 compliant systems when a secondary phone number is programmed (field *34)

3*30 DIALER SELECTION [1,0] ☐ ☐

1=enabled; 0=disabled Main Backup

3*31 BACKUP DIALER TOUCHTONE/ROTARY [0] ☐

1=TouchTone; 0=Rotary

3*50 ZONE TYPE RESTORE ENABLES ☐ ☐ ☐

FOR ZONE TYPES 16-18 16 17 18
1 = enabled; [0 = disabled]

3*55 RESET ON SECOND OFF FOR BELL 1 [0] ☐

1 = enabled; 0 = disabled

3*56 RESET ON SECOND OFF FOR BELL 2 [0] ☐

1 = enabled; 0 = disabled

3*57 BELL 2 & AUX. RELAY CONFIRM ☐ ☐

ARM DING Bell 2 AUX.
1=enable; [0=disable] . Must be 1 for UL Commercial Burglary.

3*59 ENABLE BELL 2 & AUX. RELAY ☐ ☐

CHIME ANNUNCIATION Bell 2 AUX
1=enable; [0=disable]

3*60 BELL 2 & AUX. RELAY TIMEOUT ☐☐ ☐☐

00-15 times 2 minutes; 00=no timeout [00,00] Bell 2 AUX
Must be minimum of 16 minutes for UL Burglary installations.

3*61 AUX. RELAY FUNCTION [1] ☐

0=Trouble/supervisory; 1=Alarm, silenced by code + OFF 2=Smoke Detector Reset; 3=Battery Save; 4=Alarm, silenced by code + [#] + 67

3*82 ENABLE BURG. FEATURES ON PART. 1 [1] ☐

1=enable; 0=disable; "0" disables AWAY, STAY, MAX, TEST, INSTANT & CHIME functions

3*85 ENABLE FIRE & SYSTEM ZONE BYPASS [1] ☐

0=not enabled; 1=only installer can bypass]; 2=only installer & master user can bypass. Applies to fire zone types 9, 16, 17 & 18 and system zones 70-77. Applies to Partition 1 only.

SUMMARY OF PROGRAMMING COMMANDS

- **To enter program mode,** enter installer code + [8] + [0] + [0] + [0]
- **To set standard defaults,** press *97
- **To set communication defaults,** press *94 + one of the following: *80=low speed; *81=Ademco Express; *82=Ademco High Speed; *83=Ademco's Contact ID
- **To change to next page of program fields,** press *94
- **To return to previous set of fields,** press *99
- **To erase account & phone number field entries,** press [*] + field number + [*]
- **To assign zone descriptors,** press #93 + follow menu prompts
- **To add custom words,** press #93 + follow menu prompts
- **To enter Installer's Message,** press #93 + follow menu prompts
- **To** exit **program mode,** press *99 OR *98: *99 allows re-access to programming mode by installer code. *98 prevents re-access to programming mode by installer code.

Partition-Specific Fields

(Duplicate this page for each partition in the installation.)

To program these fields,

1. Press *91 to select a partition.
2. Enter a partition-specific field number (ex. *09).
3. Make the required entry.
4. Repeat steps 1-3 for each partition in the system.

PARTITION #____ PROGRAM FIELDS

1st Page Fields

***09** ENTRY DELAY #1 [02] ☐☐

00-15 times 15 seconds. Maximum 03 for UL Listed installations.

***10** EXIT DELAY #1 [03] ☐☐

00-15 times 15 seconds. Maximum 04 for UL Listed installations.

***11** ENTRY DELAY #2 [06] ☐☐

00-15 times 15 seconds. Maximum 03 for UL Commercial Burglary installations.

***12** EXIT DELAY #2 [08] ☐☐

00-15 times 15 seconds. Maximum 04 for UL Commercial Burglary installations.

***13** BELL 1 TIMEOUT [04] ☐☐

01-15 times 2 minutes. Minimum 16 minutes for UL. Commercial Burglary and 6 minutes for Commercial Fire installations.

***16** CONFIRMATION OF ARMING DING [0] ☐

1=enable; 0=disable. Must be "1" for UL Commercial Burglary installations.

***22** KEYPAD PANIC ENABLES [001] ☐☐☐

1=enable; 0=disable 995 996 999

***23** MULTIPLE ALARMS [1] ☐

1=yes; 0=no. Enter 1 for Commercial Fire & UL Commercial Burglary installations.

***29** QUICK ARM [1] ☐

1=yes; 0=no

***32** PRIM. SUBS. ACCT # ☐☐☐☐

Enter 00-09; B-F (11-15) [15 15 15 15]

***38** PREVENT ZONE XXX BYPASS [000] ☐☐☐

001-128; 000 if all zones can be bypassed

***39** ENABLE OPEN/CLOSE REPORT [1] ☐

FOR INSTALLER CODE
1=enable; 0=disable

***84** SWINGER SUPPRESSION [03] ☐☐

01-15 alarms; Must be "00" (disabled) for Commercial Fire & UL installations..

***85** ENABLE DIALER REPORTS[0] ☐☐☐☐

FOR PANICS & DURESS 995 996 999 Duress
1=enable; 0=disable

***87** ENTRY WARNING [0] ☐

1=continuous; 0=3 beeps

***88** BURG. ALARM COMM. DELAY [0] ☐☐

1=16 seconds; 0=no delay. Must be "0" for UL Commercial Burglary installations.

***90** SEC. SUBS. ACCT # ☐☐☐☐

Enter 00-09; B-F (11-15) [15 15 15 15]

1*18 AFFECTS LOBBY [0] ☐

Enter 1 if this partition affects the common lobby; enter 0 if it does not.

1*19 ARMS LOBBY [0] ☐

Enter 1 if arming this partition attempts to arm lobby; enter 0 if it does not

2nd Page Fields

1*26 PANIC BUTTON OR SPEEDKEY

[00, 00, 00, 00] ☐☐ ☐☐ ☐☐ ☐☐

A **B** **C** **D**

Enter speedkey macro # (01-35) to use keys A-C for macro. Otherwise enter 00 to use as panic. For D key, enter macro # or 00 to select macro when key is pressed.

1*43 PERM. KEYPAD BACKLIGHT [0] ☐

1=enable; 0=disable When disabled, display lights when any key is pressed, and turns off after period of keypad inactivity.

1*45 EXIT DELAY SOUNDING [0] ☐

1=enable; 0=disable Produces quick beeping during exit delay if enabled.

1*47 CHIME ON BELL 1 [0] ☐

1=enable; 0=disable

1*52 SEND CANCEL IF ALARM + OFF [0] ☐

1=no restriction; 0=within Bell Timeout period only

1*76 ACCESS CONTROL RELAY FOR PART.[00] ☐☐

Relay will be pulsed for 2 seconds whenever code + [0] is pressed. Enter 00-16; 00=none. Must be "00" for Commercial Fire & UL.

3rd Page Fields

2*05 AUTO-ARM DELAY [15] ☐☐

Enter the time between the end of the arming window and the start of auto-arming warning period, in values of 1-14 times 4 minutes 00=instant; [15=no auto arm at all]. When this delay expires, the Auto-Arm Warrning Period begins.

2*06 AUTO-ARM WARNING PERIOD [15] ☐☐

This is the time during which the user is warned to exit the premises prior to the auto-arming of the system (beeps every 15 seconds; "ALERT" displayed). Enter 01-15 minutes. 00=instant at end of arming delay .

2*07 AUTO-DISARM DELAY [15] ☐☐

This is the time between the end of the disarming window and the start of auto-disarming. Enter 01-14 times 4 minutes; 00=instant at end of window; 15=no auto-disarm.

2*08 ENABLE FORCE ARM FOR AUTO-ARM [0] ☐

0=disable; 1=enable.

2*09 OPEN/CLOSE REPORTS BY EXCEPTION [0] ☐

1=enable; 0=disable; If enabled, only openings and closings occurring outside the scheduled opening/closing windows will trigger dialer reports. Opening reports will also be suppressed during the closing window, in order to prevent false reports when the user arms the system and then reenters the premises to retrieve a forgotten item.

2*10 ALLOW DISARMING ONLY DURING [0] ☐

ARMING/DISARMING WINDOWS
See system-wide field 2*11 if enabling field 2*10. This feature adds high security to the installetion.
0=disable; 1=enable

2*18 ENABLE GOTO FOR THIS PARTITION [0] ☐

1=Allow log-on from other partitions; 0=disable

2*20 ENABLE J7 TRIGGERS by PARTITION [1] ☐

0=disable for displayed partition; 1=enable for displayed partition

2*22 DISPLAY FIRE ALARMS OF [0] ☐

OTHER PARTITIONS
0=No; 1=Yes

2*23 DISPLAY BURG/PANIC ALARMS OF [0] ☐

OTHER PARTITIONS
10=No; 1=Yes

2*24 DISPLAY TROUBLES OF OTHER [0] ☐

PARTITIONS
0=No; 1=Yes

4th Page Fields

3*57 BELL 2 & AUX. RELAY CONFIRM ☐ ☐

ARM. DING 1=enable; [0=disable] Bell 2 Relay
Must be "1" for UL.

3*59 ENABLE BELL 2 & AUX. RELAY ☐ ☐

CHIME ANNUNCIATION 1=enable; [0=disable] Bell 2 Relay

3*60 BELL 2 & AUX. RELAY TIMEOUT ☐☐ ☐☐

00-15 times 2 minutes; 00=no timeout [00,00] Bell 2 Relay
Minimum 16 min. for UL Burglary installations.

SUMMARY OF PROGRAMMING COMMANDS

- **To enter program mode,** enter installer code + [8] + [0] + [0] + [0]
- **To set standard defaults,** press *97
- **To set communication defaults,** press *94 + one of the following: *80=low speed; *81=Ademco Express; *82=Ademco High Speed; *83=Ademco's Contact ID
- **To change to next page of program fields,** press *94
- **To return to previous set of fields,** press *99
- **To erase account & phone number field entries,** press [*] + field number + [*]
- **To assign zone descriptors,** press #93 + follow menu prompts
- **To add custom words,** press #93 + follow menu prompts
- **To enter Installer's Message,** press #93 + follow menu prompts
- **To exit program mode,** press *99 OR *98: *99 allows re-access to programming mode by installer code. *98 prevents re-access to programming mode by installer code.

Programming With #93 Menu Mode

#93 Main Menu Options

The following field should be programmed before beginning: 2*00: Number of Partitions.

UL

For commercial fire and UL Installations, verify that wireless and audio alarm verification features are disabled.

After programming all system-related programming fields in the usual way, press #93 while still in Programming Mode to display the first choice of the menu-driven programming options, which are as follows:

ZONE PROG? 0=No 1=Yes	For programming the following: • Zone number • Zone response type • Partition number for zone • Dialer Report Code for zone • Bell/aux. relay assignment for zone • Input device type for zone (whether RF, polling loop, etc.) • Enrolling serial numbers of 5800 Series transmitters and serial polling loop devices into the system (all other zone characteristics must be pre-programmed).
SEQUENTIAL LEARN? 0=No 1=Yes	For programming the following: • Input device type for zone (whether RF, polling loop, etc.) • Enrolling serial numbers of 5800 Series transmitters and serial polling loop devices into the system (all other zone characteristics must be pre-programmed).
REPORT CODE PROG? 0=No 1=Yes	For programming the following: • Alarm report codes for zones • Restore and supervisory codes • All other system report codes
ALPHA PROG? 0=No 1=Yes	For entering alpha descriptors for the following: • Zone descriptors • Installer's message • Custom words • Partition descriptors Relay descriptors

DEVICE PROG? 0=No 1=Yes

For defining the following device characteristics for addressable devices, including keypads, RF receivers (5881), 4204/4204CF Output Relay Modules, 4285/4286 VIP Module and VGM:

- Device address
- Device type
- Keypad options (includes partition assignment)
- RF House ID

RELAY PROG? 0=No 1=Yes

For defining output relay functions.

RLY VOICE DESCR? 0=No 1=Yes

For entering voice descriptors for relays to be used with the 4285/4286 VIP Module.

CUSTOM INDEX ? 0=No 1=Yes

For creating custom word substitutes for VIP Module annunciation.

CLEAR RF SERIAL#? 1=Yes 0=No

For deleting all RF serial numbers presently enrolled in the system.

Press **0** (NO) or **1** (YES) in response to the displayed menu selection. Pressing 0 will display the next choice in sequence. Refer to the *Zone Programming* part of this section for instructions on how to program zone characteristics; the *Device Programming* part if this section for instructions on how to program addressable devices; and the *Alpha Programming* part of this section for programming alpha descriptors.
The following is a list of commands used while in the Menu Mode.

#93 Menu Mode Key Commands

#93	Enters Menu Mode
[✳]	Serves as ENTER key. Press to have keypad accept entry.
[#]	Backs up to previous screen.
0	Press to answer NO.
1	Press to answer YES.
000	Escapes from Menu Mode, back into Data Field Programming Mode, if entered at the first prompt of each main menu option.

Zone Programming

Enter Programming Mode **[Installer Code] + 8 0 0 0**. The following field should be programmed before beginning:

- **2*00:** Number of Partitions.

Also, before programming wireless zones, the RF receiver must be enabled in *Device Programming* (see later in this section).
Then press #93 to display "ZONE PROG?".

ZONE PROG? 1=Yes 0=No

Press **1** to enter Zone Programming. The following screens will appear. Press [*] to display the next screen. Press # to display a previous screen.

If the system has been set up to use 5800 Series RF, and a program tool has not been programmed, the following “PROGRAM TOOL” prompt will be displayed. If the system has not been set up to use 5800 Series RF or a program tool has already been programmed, the system will advance to the “ENTER ZN NO.” prompt.

PROGRAM TOOL? 0 = NO, 1 = YES 0	If a program tool is being used, enter **1**. If not using a tool, enter **0**. When a **0** is entered, the system will advance to the ENTER ZN NO. prompt.
000 INPUT S/N: L Axxx-xxxx	If 1 is entered, the system will prompt for the unit's serial number. Enter the program tool's serial number using one of the following methods: a) Enter the 7-digit serial number for the transmitter. Or b) Press any button on the transmitter. The keypad should beep three times and display the serial number of the tool.
000 PROG AS BR: 3 A123-4567 3	In this example, the serial number is A123-4567. Once enrolled, the upper left-hand button of the program tool can be pressed to ready the system for enrolling a device into the system. The serial number for the program tool will only remain in the system until the programming mode is exited. (Entering ✶97 will not delete the tool.) Press [*] to continue, or press the [#] key to back the system up to the "PROGRAM TOOL? " prompt.
ENTER ZN NO. 000 = QUIT 010 Zone 010 entered ↑	Enter the 3-digit zone number to be programmed (protection zones 001-032, relay zones 601-696†, ECP device supervisory zones 800-831, system supervision zones 988, 990, 992 [duress], 997, or keypad panic zones 995, 996, 999). Press [*] to accept entry.
010 ZT P RC B INL 00 – –– – –– –	A display will appear, showing a summary of that zone's programming. ZT=Zone Type, P=Partition, RC=Report Code, B = Bell/Aux Relay assignment for zone, IN=the input type of device, and L=the device's loop number to which the sensor is connected. Some devices can support more than one zone by means of individual loops (for example 5801, 5804, 5816, 5817, etc.). If the zone is not programmed, the display will appear as shown here. If checking a zone's programming, and it is programmed satisfactorily, press [#] to back up one step and enter another zone number, if desired. Otherwise, press [*] to continue.

Do not install batteries in wireless transmitters until ready to enroll. After enrolling, batteries need not be removed.

↓ Zone Number

```
010 ZONE RESPONSE
Perimeter          03
```

Zone Type 03 entry shown

Each zone must be assigned a zone type, which defines the way in which the system responds to faults in that zone. Refer to the *Zone Type Definitions* section for detailed definitions of each zone type. Enter the zone type desired (or change it, if necessary). Available zone types are listed below.

00 = Assign for Unused Zones
01 = Entry/Exit #1, Burglary
02 = Entry/Exit #2, Burglary
03 = Perimeter, Burglary
04 = Interior Follower, Burglary
05 = Trouble Day/Alarm Night
06 = 24-Hr. Silent Alarm
07 = 24-Hr. Audible Alarm
08 = 24-Hr. Auxiliary
09 = Fire Without Verification
10 = Interior Delay, Burglary
16 = Fire With Verification
17 = Fire Waterflow
18 = Fire Supervisory
19 = 24-Hour Trouble
20 = Arm–STAY†
21 = Arm AWAY†
22 = Disarm†
23 = No Alarm Response (e.g., relay activation)
27 = Access Point
28 = MLB Supervision (if VGM installed)

† These are special zone types used with 5800 Series Wireless Pushbutton Units which will result in arming the system in the STAY or AWAY mode, or disarming of the system, depending on the selection made.

Press [*] to continue.

```
010  ACCESS POINT
(00-31)          01
```

If response type 27 was selected, this prompt will be displayed. Enter the access point to be controlled by the input type **(00-31)**.

```
010  ENTRY OR EXIT
                 0
```

Select whether the access point is an entry or exit point.

0 = entry

1 = exit

```
010  PARTITION
                 2
```

Enter the partition number **(1–8)** you are assigning this zone to.

Press [*] to continue.

```
010 REPORT CODE
1st 03 2nd 12    3C
```

Enter the report code. The report code consists of 2 hexadecimal digits, each in turn consisting of 2 numerical digits. For example, for a report code of "3C," enter 03 for 3 and 12 for C.

(Refer to the *System Communication* section for more information about report codes and report code formats.)

Press [*] to continue.

```
010  BELL/RLY?
0 = NO, 1 = YES    0
```

Each zone can be assigned to activate either one or both bell outputs and/or the system's auxiliary relay. Enter one of the following assignments:

0=none; 1=Bell 1; 2=Bell 2; 3=Bells 1 & 2; 4=Aux Relay; 5=Bell 1 & Aux Relay; 6=Bell 2 & Aux Relay; 7=Bells 1 & 2 & Aux Relay.

Press [*] to continue.

010 INPUT TYPE RF Xmitter 3

Note that input types 4 & 5 are valid for certain 5800 Series transmitters only (e.g., 5801, 5802, 5802CP & 5803).

Input type 10 is applicable only if PassPoint ACS is installed with the Vista Gateway Module.

Enter the input device type as follows:

00 = not used
01 = hardwired
03 = supervised RF transmitter (RF type)
04 = unsupervised RF transmitter (UR type)
05 = RF button-type transmitter (BR type)
06 = serial number polling loop device (SL type)
07 = DIP switch-type polling loop device
08 = right loop of DIP switch-type device.
09 = keypad input (code + #73, code + #74)
10 = PassPoint ACS input

Right loops refer to the use of the right loop on a 4190WH Zone Expander Module and/or 4278 PIR, which allow hardwired devices to be monitored by the polling loop.

If programming hardwired, or DIP switch polling loop devices, the summary display appears after completing this entry.

Press [*] to continue.

010 V-PLEX RELAY? 1 = YES 0 = NO

If input type 6 was selected, this prompt will be displayed. Enter **1** if using a 4101SN relay module for this zone. Otherwise enter **0**.

010 CONS ECP ADDR (01-31) 01

If input type 09 was selected, this prompt will be displayed. Enter the ECP address of the keypad that is being used for entry/exit for this access point **(01-31)**.

010 ACS ZONE NO (00-31) 01

If input type 10 was selected, this prompt will be displayed. Enter the PassPoint ACS zone ID that this VISTA zone maps to **(00-31)**.

010 SMART CONTACT 1 = YES 0 = NO

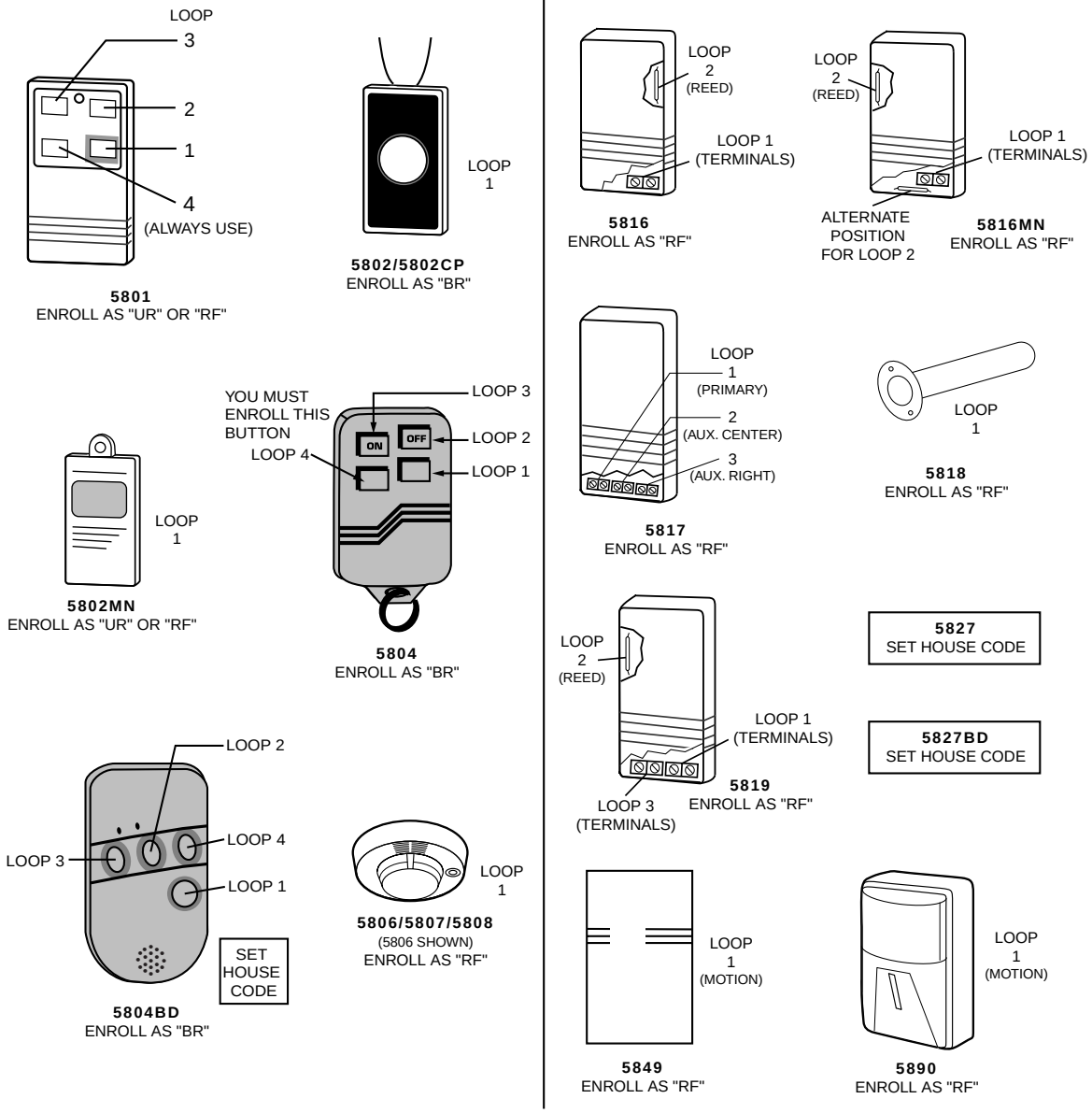
If input type selected was a serial number type, this prompt will be displayed. Enter **1** for devices that monitor maintenance signals (e.g., 4192SDM, 4192SDTM, 4192CPM, 5808). Otherwise, enter **0**.

Press [*] to continue.

010 LOOP#? 1

The cursor should now be flashing on the loop number. The default is 1. To accept this, press [*]. If a different loop number is being used on this device, enter the loop number (1-4) and press [*] to continue. (The loop designations for various RF transmitters are shown on the next page). **The loop number must be entered here, whether using *Zone Programming* or *Sequential Mode* to "enroll" serial numbers.** If you want to delete the serial number, enter **0** and press [*]. The system will then prompt, "DELETE S/N?" Press **1** (YES) to complete the delete sequence. This process deletes the serial number only, ***not*** the loop number. The assumption is that the proper loop number was programmed, but the wrong serial number was enrolled.

5800 Series RF Transmitter Loop Designations



010 LEARN S/N?	
1 = YES, 0 = NO	1

If the device's serial number has not been previously "enrolled," you may enter the enrollment mode now by either entering **1** (YES) ***or*** by pressing the upper left-hand button of the program tool. **If using the program tool, move to the physical location of the device to be enrolled before pressing the button.** A single short beep will verify that the button has been pressed. The system will respond to the first serial number transmitted after the 1 key on the keypad or the button of the program tool is pressed. Enter **0** (NO) to enroll later. (If 0 is entered, the system will advance to the summary screen prompt.)

010 INPUT S/N Axxx-xxxx

This prompt is displayed if 1 (YES) is entered in response to the "LEARN S/N?" prompt. The serial number may be enrolled by one of two methods:

a) Enter the 7-digit serial number printed on the device using an alpha keypad.

or

b) Activate the device by faulting ***or*** restoring the input you wish to use for that zone (e.g., press a button, open or close a door, etc.).

010 INPUT S/N A022-4064

The system will enroll the serial number of the first device heard.

If the serial and loop number combination is already present in the system, the keypad will sound a single long beep and display the word "DUPLICATE" along with the serial number, and the number of the zone containing the serial/loop number combination.

The system will then enter an optional confirmation mode so that the operation of the actual programmed input can be confirmed. Activate the loop input or button that corresponds to this zone. **We recommend that you confirm the programming of every device before proceeding to the next zone.**

010 CONFIRM RF:1 A022-4064 1

When the system sees activity on the appropriate input, it will beep three times and display the confirmation message.

At any time during this step, you may press the [*] key on the keypad or the upper left-hand button of the program tool if you are satisfied with the serial and loop number combination that has been enrolled, regardless of whether or not the enrolled input has been "confirmed."

If the incorrect device has been enrolled, press the [#] key on the keypad or upper right-hand button on the program tool to delete the serial number and return to the "LEARN S/N" prompt. A single long beep will be heard from the keypad to verify pressing of the upper right-hand button. Then, press **1** (Yes) or press the upper left-hand button of the program tool (a single short beep will verify the system is ready for enrolling) and re-activate the proper device loop input.

010 ZT P RC B INL s 03 2 3C 0 RF1

The summary screen for the zone will appear. Note that an "s" indicates that a serial number has, in fact, been enrolled. Press [*] to accept the zone information.

If you want to delete the serial number, press [#]. This will bring you back to the "INPUT TYPE" prompt. Press [*] to change input type, loop number, and serial number.

When you have finished programming all zones, test each using the system's Test mode. Do not use the Transmitter ID Sniffer Mode for this, as it will only check for transmission of one zone on a particular transmitter, NOT the zones assigned to each additional loop, and will not verify polling loop type zones.

Sequential Mode Programming

Usually, serial numbers are enrolled during *Zone Programming*. If not, use #93 Menu Mode to enroll serial numbers (for example, if all other programming was done via downloading).

Use this mode only after all other zone information has been programmed, including transmitter loop numbers.

1. Enter Data Field Programming Mode: [Installer Code] + **8 0 0 0**.
2. From Data Field Programming Mode, press **#93** to display the "ZONE PROG?" prompt.
3. Press **0** (NO) repeatedly until the "SEQUENTIAL LEARN?" prompt appears.

SEQUENTIAL LEARN? 0=no 1=yes

To enroll or delete a device's serial number, enter **1** (yes). Enter **0** to skip to the next main menu option.

If the system has been set up to use 5800 Series RF, and a program tool has not been programmed, the following "PROGRAM TOOL" prompt will be displayed. If the system has not been set up to use 5800 Series RF or a program tool has already been programmed, the system will advance to the "TECHNOLOGY TYPE" prompt.

PROGRAM TOOL? 0 = NO, 1 = YES 0

If a program tool is being used, enter **1**. If not using a tool, enter **0**. When a 0 is entered, the system will advance to the "TECHNOLOGY TYPE" prompt.

000 INPUT S/N: L Axxx-xxxx

If **1** is entered, the system will prompt for the unit's serial number. Enter the program tool's serial number using one of the following methods:

a) Enter the 7-digit serial number for the transmitter.

or

b) Press any button on the transmitter. The keypad should beep three times and display the serial number of the tool.

000 PROG AS BR: 3 A123-4567 3

In this example, the serial number is A123-4567. Once enrolled, the upper left-hand button of the program tool can be pressed to ready the system for enrolling a device into the system.

The serial number for the program tool will only remain in the system until the Programming Mode is exited. (Entering ✱97 will not delete the tool.)

Press [∗] to continue or press the [#] key to back the system up to the "PROGRAM TOOL ?" prompt.

TECHNOLOGY TYPE WIRELESS 0

Default ↑

Enter the type of device(s) to be enrolled as follows:

0 = Wireless (Default)

1 = Polling Loop

2 = Both

Press [∗] to continue.

ENTER ZN NO.
(000 = QUIT) 010

Zone Number Entered ↑

Enter the first zone number to be enrolled (e.g., zone 010).

Press [∗] to continue.

The system will, starting with this zone number, search for the first device which has ***all*** of the following attributes pre-programmed in *Zone Programming*:

a) An input type of RF, UR, BR, or SL (if serial polling loop devices enabled) programmed

b) A loop number programmed

c) No serial number programmed

If the first zone number entered does ***not*** have ***all*** of the above attributes, the system will search its database for the first zone that does and will display it on the next screen.

010 INPUT S/N
Axxx xxxx

This prompt is displayed when the system has found the next zone which needs to be enrolled. The system will respond to the first serial number transmitted. A serial number may be enrolled by one of two methods:

a) Enter the 7-digit serial number printed on the device.

or

b) Activate the device by faulting or restoring the input you wish to use for that zone (e.g., press a button, open or close a door, etc.).

If you do ***not*** wish to enroll the zone displayed, press [#] on the keypad or the upper right-hand button on the program tool (a long beep will be heard to verify). The following prompt will appear:

010 LEARN S/N?
0 = NO, 1 = YES 0

To enroll now, enter **1** (YES). If **0** (NO) is entered, the following prompt will appear:

ENTER ZN NUM.
(000 = QUIT) 010

Zone Number Entered ↑

Enter the next zone number to be enrolled (e.g., zone 010). The system will search for that zone and will display the "ENTER ZONE NO." prompt.

If you wish to exit the enrollment mode completely, enter **000** and press [∗].

010 INPUT S/N
A 022-4064

↑

Serial #

The system will enroll the first serial number heard, display the serial numbers, and cause the keypad to beep twice.

If the serial and loop number combination is already present in the system, the keypad will sound a single long beep and display the word "DUPLICATE" along with the serial number, and the number of the zone containing the serial/loop number combination.

The system will then enter an optional confirmation mode so that the operation of the actual programmed input can be confirmed. Activate the loop input or button that corresponds to this zone. **We recommend that you confirm the programming of every device before proceeding to the next zone.**

010 CONFIRMED SL:1 A022-4064

When the system sees activity on the appropriate input, it will beep three times and display the confirmation message. Press [*] or the upper left-hand button of the program tool when you are ready to enroll the next serial number device.

At any time during this step, you may press [*] on the keypad or the upper left-hand button of the program tool if you are satisfied with the serial and loop number combination that has been enrolled, regardless of whether or not the enrolled input has been "confirmed." This will ready the system to enroll the next serial number device.
If the incorrect device has been enrolled, press [#] on the keypad or the upper right-hand button of the program tool to delete the serial number and return to the "LEARN S/N?" prompt. A single long beep will be heard from the keypad to verify pressing of the upper right-hand button. Then, press **1** (Yes) or press the upper left-hand button of the program tool (a single short beep will verify the system is ready for enrolling) and re-activate the proper device or device loop input.

The system will search for the next zone that does not have a serial number associated with it. If one is found, the system will return to the "INPUT S/N" prompt for the remaining zones.

After all zones have been displayed, whether enrolled or not, the "ENTER ZN NO." prompt will appear. Enter **000** to exit the Sequential Mode and return to Data Field Programming Mode.

When you have finished programming all zones, test each using the system's Test Mode. Do not use the Transmitter ID Sniffer Mode for this, as it will only check for transmission of one zone on a particular transmitter, NOT the zones assigned to each additional loop, and will NOT verify polling loop type.

Report Code Programming

All report codes are entered using *#93 Menu Mode Programming*, either through *Report Code Programming*, or through the *Zone Programming* while entering other zone information. In the VISTA-128FB, reports are divided into six categories. These categories represent the main menu options found in the *Report Code Programming*. Reports and the categories in which they are found are as follows:

ALARM CODES	RESTR, SUPV. CODES (for groups of 16 zones)	SYSTEM GROUP #1
Zone Alarm Reports	Alarm Restore Trouble Trouble Restore Bypass Bypass Restore	Closing (arm away) Opening (disarm) System Low Battery Low Battery Restore AC Loss AC Restore Periodic Test Power Cancel Program Tamper

SYSTEM GROUP #2	SYSTEM GROUP #3	SYSTEM GROUP #4
Arm STAY Time Set, Log Reset Log 50%, 90% Full Event Log Overflow Exit Error by Zone Exit Error by User Recent Close	Early Open Early Close Late Open Late Close Failed to Open Failed to Close Auto-Arm Failed Schedule Change	Fire Walk Test Start Fire Walk Test End Off-Normal

The programming sequence that follows assumes that you will be entering all reports for the system at one time. In actuality, you may skip from one main menu option to another by pressing **0** (N) at each main menu option. Main menu options are highlighted in bold text. To enter report codes, do the following:

Enter Program Mode [Installer Code] + 8 0 0 0. Then press #93. Enter 0 (N) at each main menu option until the REPORT CODE PROG prompt is displayed.

REPORT CODE PROG 1 = YES 0 = NO 0

Press 1 (Y) to enter to *Report Code Programming*.

Zone Alarm Reports

ALARM, ID DIGIT? 1 = YES 0 = NO 0

Press **1** (Y) to enter Alarm Report Codes for zones. Press **0** (N) to skip to the next main menu option.

ENTER ZONE NO. 000 = QUIT 001

Enter the zone number for which you are entering the report code.

Press [*] to continue.

001 REPORT CODE 1st 00 2nd 00 000

Enter the first digit of the Alarm report code (double-digit entry) and press [*]. Enter the 2nd digit of the Alarm Report code.

Press [*] to continue.

ENTER ZONE NO. 000 = QUIT 001

Enter the zone number for which you are entering the report code. When all zone Alarm Codes have been programmed, enter 000 to Quit.

Press [*] to continue.

QUIT REPORT MENU 1 = YES 0 = NO 0

If you have completely finished entering report codes, press **1** (Y) to quit *Report Code Programming*. If you wish to enter other system report codes, enter **0** (N).

Press [*] to continue.

Restore/Supervisory Codes

RESTR, SUPV. CODE 1 = YES 0 = NO 0

Press **1** (Y) to enter Restore and Supervisory Codes for zones.

ENTER ZN FOR GRP 000 = QUIT 001

Enter one zone for each group of 16 zones (001-016, 017-032, etc.).

ALARM RESTORE GRP 001-016 000

Enter the first digit of the Alarm Restore Report Code for this group of zones (double-digit entry). The second digit will be the ID (second) digit of the Alarm Report Code for each zone (if programmed).

Press [*] to continue.

TROUBLE GRP 001-016 000

Enter the first digit of the Trouble Report Code for this group of zones (double-digit entry). The second digit will be the ID (second) digit of the Alarm Report Code for each zone (if programmed).

Press [*] to continue.

TROUBLE RESTORE GRP 001-016 000

Enter the first digit of the trouble restore code (single-digit entry) and press [∗]. The second digit will be the ID (second) digit of the alarm report code for each zone (if programmed).

Press [∗] to continue.

BYPASS GRP 001-016 000

Enter the first digit of the Bypass Report Code (double-digit entry) and press [∗]. The second digit will be the ID (second) digit of the Alarm Report Code for each zone (if programmed).

Press [∗] to continue.

BYPASS RESTORE GRP 001-016 000

Enter the first digit of the Bypass Restore Report Code (double-digit entry) and press [∗]. The second digit will be the ID (second) digit of the Alarm Report Code for each zone (if programmed).

Press [∗] to continue.

ENTER ZN FOR GRP 000 = QUIT 017

Enter one zone for each group of 16 zones. When finished entering Restore and Supervisory Codes for all zone groups, enter **000**.

Press [∗] to continue.

QUIT REPORT MENU 1 = YES 0 = NO 0

If you have completely finished entering report codes, press **1** (Y) to quit *Report Code Programming*. If you wish to enter other system report codes, enter **0** (N).

Press [∗] to continue.

System Group 1 Codes

SYSTEM GROUP #1? 1 = YES 0 = NO 0

To enter System Group #1 codes, press **1** (Y).

CLOSE 1st 00 2nd 00

Enter the first digit of the Closing (Arm-AWAY) report. Press [∗]. Enter the second digit of the report. If the user number is desired as the second digit, enter **01** (not necessary for Contact ID or High Speed formats).

Press [∗] to continue.

Enter the rest of the codes in the same manner. Other report codes in System Group #1 are:

- Opening (Disarm)
- System Low Battery
- Low Battery Restore
- AC Loss
- AC Restore
- Periodic Test
- Power
- Cancel
- Program Tamper

Once you have entered these report codes, the system will prompt:

QUIT REPORT MENU 1 = YES 0 = NO 0

If you have completely finished entering report codes, press **1** (Y) to quit *Report Code Programming*. If you wish to enter other system report codes, enter **0** (N).

Press [∗] to continue.

System Group 2 Codes

SYSTEM GROUP #2 ? 1 = YES 0 = NO 0

To enter System Group #2 codes, press **1** (Y).

STAY 1st 00 2nd 00

Enter the first digit of the Arm-STAY report. Press [∗]. Enter the second digit of the report. If the user number is desired as the second digit, enter **01** (not necessary for Contact ID or High Speed formats).

Press [∗]to continue.

Enter the rest of the codes in the same manner. Other codes in System Group #2 are:

- Time Set, Log Reset
- Log 50%, 90% Full
- Event Log Overflow
- Exit Error by Zone
- Exit Error by User
- Recent Close

Once you have entered these report codes, the system will prompt:

QUIT REPORT MENU 1 = YES 0 = NO 0

If you have completely finished entering report codes, press **1** (Y) to quit *Report Code Programming*. If you wish to enter other system report codes, enter **0** (N).

Press [∗] to continue.

System Group 3 Codes

SYSTEM GROUP #3 ? 1 = YES 0 = NO 0

To enter System Group #3 codes, press **1** (Y).

EARLY OPEN 1st 00 2nd 00

Enter the first digit of the Early Opening Report Code. Press [∗]. Enter the second digit of the report code. If the user number is desired as the second digit, enter **01** (not necessary for Contact ID or High Speed formats).

Press [∗] to continue.

Enter the rest of the codes in the same manner. Other codes in System Group #2 are:

- Early Close
- Late Open
- Late Close
- Failed to Open
- Failed to Close
- Auto-Arm Failed
- Schedule Change

Once you have entered these report codes, the system will prompt:

QUIT REPORT MENU 1 = YES 0 = NO 0

If you have completely finished entering report codes, press **1** (Y) to quit *Report Code Programming*. If you wish to enter other system report codes, enter **0** (N)

Press [∗] to continue.

System Group 4 Codes

SYSTEM GROUP #4 ? 1 = YES 0 = NO 0

To enter System Group #3 codes, press **1** (Y).

WALK TEST START 1st 00 2nd 00

Enter the first digit of the Fire Test Start Report Code. Press [∗]. Enter the second digit of the report code.

Press [∗] to continue.

Enter the rest of the codes in the same manner. Other codes in System Group #2 are:

- Walk-Test End
- Off-Normal

Once you have entered these report codes, the system will prompt:

QUIT REPORT MENU 1 = YES 0 = NO 0

If you have completely finished entering report codes, press **1** (Y) to quit *Report Code Programming*.

QUIT MENU MODE? 1 = YES 0 = NO 0

Enter **1** to exit back to normal programming mode. Enter **0** to stay in Menu Mode.

Alpha Descriptors Programming

General Information

- You can program a user-friendly English language description/location for all protection zones, relays, keypad panics, polling loop short, and RF receiver supervision troubles.
- Each description can be composed of a combination of words (up to 3) that are selected from a vocabulary of 244 words stored in memory, and any word can have an "s" or " 's " added to it.

  NOTE: Due to the use of 3-digit zone numbers, the first word of the descriptor is limited to 6 characters if you want it to fit on the top line of the display.
- In addition, up to 20 installer-defined words can be added to those already in memory. Thus, when an alarm or trouble occurs in a zone, an appropriate description for the location of that zone will be displayed at the keypad.
- A custom installer's message can be programmed for each partition which will be displayed when the system is "Ready" (e.g., THE PETERSON'S).

1. To program alpha descriptors, enter Programming mode, then press **#93** to display "ZONE PROG?"
2. Press **0** (NO) twice to display "ALPHA PROG?".
3. Press **1** to enter *Alpha Programming*.

   There are 5 sub-menu selections that will be displayed one at a time.

   Press **1** to select the mode desired.

   Press **0** to display the next mode available. The alpha menu selections are:

ZONE DESCRIP?	for entering zone descriptors.
DEFAULT SCREEN?	for creating custom message; displayed when system ready.
CUSTOM WORD?	for creating custom words for use in descriptors.

PART DESCRIP? for creating 4-character partition names.

EXIT EDIT MODE? Press **1** to exit back to #93 Menu Mode.

4. Refer to the sections that follow for procedures for adding alpha descriptors.

Zone Descriptors

1. **Select ZONE DESCRIPTOR mode.**

   The keypad keys perform the following functions:
   [3] Scrolls both alphabet and actual words in ascending alphabetical order.
   [1] Scrolls both alphabet and actual words in descending alphabetical order.
   [2] Adds or removes an "s" or " 's " to a vocabulary word.
   [6] Switches between alphabet and actual word list; used to accept entries.
   [8] Saves the zone description in the system's memory.
   [#] [#] plus zone number displays the description for that zone.

2. **Enter the zone number to which you want to assign a descriptor.**

   For example key **[*]001** to begin entering the description for Zone 1, (key **[*]002** for Zone 2, **[*]003** for Zone 3 etc.). The following will be displayed: * ZN 001 A.
   Note that the first letter of the alphabet appears after the zone number, and that the zone number is automatically included with the description.

3. **Enter the descriptor for that zone**.

   Use one of two methods as follows:
   (Assume, for example, that the desired description for Zone 1 is BACK DOOR)

   a) Press **[#]** followed by the 3-digit number of the first word from the fixed dictionary shown later in this section (e.g., [0][1][3] for BACK).
   Press **6** in order to accept the word and proceed, or press **8** to store the complete descriptor and exit;

   or

   b) Select the first letter of the desired description (note that "A" is already displayed). Use the **3** key to advance through the alphabet and the **1** key to go backward.
   Press **3** key repeatedly until "B" appears (press **1** to go backwards if you happen to pass it), then press **6** to display the first available word beginning with B.
   Press **3** repeatedly to advance through the available words until the word BACK is displayed.

To add an "s" or " 's," if you need to, press **2**. The first depression adds an "s," the second depression adds an " 's, " the third depression displays no character (to erase the character), the fourth depression adds an "s," etc.

4. **Accept the word.**

   To accept the word, press **6**, which switches back to the alphabet list for the next word, or press **8** to store the complete descriptor and then exit.

5. **Select the next word.**

   For selection of the next word (DOOR), repeat step 3a (word #057) or 3b, but selecting the word "DOOR."

   To accept the word, press **6**, which again switches back to alphabet list.

6. **Store the descriptor.**

   When all desired words have been entered, press **8** to store the description in memory.

   To review the zone descriptors, key [#] plus zone number (e.g., #001).

   To edit zone descriptors, key [∗] plus zone number (e.g., *001)

7. **Exit Zone Description Mode: enter 000.**

Custom Words

Up to 20 installer-defined words can be added to the built-in vocabulary. Each of the 20 "words" can actually consist of several words, but bear in mind that a maximum of 10 characters can be used for each word string.

1. Select CUSTOM WORD Mode. The keys perform the following functions:
   - [3] Advances through alphabet in ascending order.
   - [1] Advances through alphabet in descending order.
   - [6] Selects desired letter; moves the cursor 1 space to the right.
   - [4] Moves the cursor one space to the left.
   - [7] Inserts a space at the cursor location, erasing any character at that location.
   - [8] Saves the new word in the system's memory.
   - [*] Returns to Description Entry Mode.
2. Enter the custom word number (01-20) you want to create.

   For example, if you are creating the first word (or word string), enter **01**; when creating the second word, enter **02**, and so on. A cursor will now appear at the beginning of the second line.
3. Type the word using one of two methods as follows:

   a) Press [#], followed by the 2-digit entry for the first letter you would like to display (e.g., **6 5** for "A").

   When the desired character appears, press **6** to select it. The cursor will then move to the right, in position for the next character. Press [#] plus the 2-digit entry for the next letter of the word.

   or

   b) Press **3** to advance through the list of symbols, numbers, and letters.

   Press **1** to move back through the list.

   When you have reached the desired character, press **6** to select it. The cursor will then move to the right, in position for the next character.
4. Repeat step 3 to create the desired custom word (or words).

   Press **4** to move the cursor to the left if necessary.

   Press **7** to enter a blank (or to erase an existing character).

   Each word or word string cannot exceed 10 characters.
5. Save the word by pressing **8**.

   This will return you to the “CUSTOM WORD?” display. The custom word (or string of words) will be automatically added to the built-in vocabulary at the end of the group of words beginning with the same letter.

   Custom words are retrieved as word numbers 250 to 269 for words 1 to 20, respectively, when using method 3a to enter alpha descriptors.

When using method 3b to enter alpha descriptors, each word will be found at the end of the group of words that begin with the same letter as it does.

6. Repeat steps 2 through 6 to create up to a maximum of 20 custom words (or word strings).
7. Exit Custom Word Mode by entering **00** at the “CUSTOM WORD” prompt.

Partition Descriptors

1. Select "Part DESCRIPT." Mode. The system will ask for the partition number desired. Enter the number as a single-key entry **1-8**.
2. Follow the same procedure as for custom words, except that partition descriptors are limited to 4 characters (e.g., WHSE for warehouse).

Custom Message Display (Installer's Message)

Normally, when the system is in the disarmed state, the following display is present on the keypad.

```
****DISARMED****
 READY TO ARM
```

Part or all of the above message can be modified to create a custom installer message for each partition. For example, “****DISARMED****” on the first line or “READY TO ARM” on the second line could be replaced by the installation company name or phone number for service. Note that there are only 16 character spaces on each of the two lines. To create a custom display message, proceed as follows:

1. Select Default Screen Mode.

   The keypad will ask for the partition number for this message.

   Enter the partition number. Press [∗] to accept entry.

   The following will appear:

```
****DISARMED****
 READY TO ARM
```

   A cursor will be present at the extreme left of the first line (over the first "star"). Press **6** to move the cursor to the right and **4** to move the cursor to the left. Press **7** to insert spaces or erase existing characters.

2. Create the message.

   For example, to replace “READY TO ARM” with the message “SERVICE 424-0177,” proceed as follows:

   Press **6** to move the cursor to the right, and continue until the cursor is positioned over the first location on the second line.

   Press **3** to advance through the alphabet to the first desired character (in this case, "S"). Press **1** to go backward, when necessary. When the desired character is reached, press **6**.

   The cursor will then move to the next position, ready for entry of the next character (in this example, "E"). When the cursor reaches a position over an existing character, press **3** or **1** to advance or back up from that character in the alphabet.

   Proceed in this manner until all characters in the message have been entered.

3. Save the message.

   Store the new display message in memory by pressing **8**.

4. The system will ask for a new partition number.

   Enter **0** to quit or **1-8** for a new partition number.

Alpha Descriptor Vocabulary

(For Entering Alpha Descriptors. To select a word, press [#] followed by the word's 3-digit number.)
NOTE: This vocabulary is not to be used for relay voice descriptors. See the RELAY VOICE DESCRIPTORS section when programming relay voice descriptors.

000 *(Word Space)*
• **001 AIR**
• **002 ALARM**
003 ALCOVE
004 ALLEY
005 AMBUSH
006 ANTENNA
• **007 AREA**
• **008 APARTMENT**
009 ART
• **010 ATTIC**
011 AUDIO
012 AUX
013 AUXILIARY

• **014 BABY**
• **015 BACK**
• **016 BAR**
017 BARN
• **018 BASEMENT**
• **019 BATHROOM**
• **020 BED**
• **021 BEDROOM**
022 BELL
023 BELL 1
024 BELL 2
• **025 BLOWER**
• **026 BOILER**
027 BOTTOM
028 BOX
029 BREAK
• **030 BUILDING**
031 BURNER

032 CABINET
• **033 CALL**
034 CAMERA
035 CAR
036 CASE
037 CASH
038 CCTV
039 CEILING
040 CELLAR
• **041 CENTRAL**
042 CIRCUIT
043 CLIP
• **044 CLOSED**
045 COIN
046 COLD
047 COATROOM
048 COLLECTION
049 COMBUSTION
• **050 COMPUTER**
051 CONTACT

• **052 DAUGHTERS**
053 DELAYED
• **054 DEN**
055 DESK
• **056 DETECTOR**
057 DIALER 1
058 DIALER 2
• **059 DINING**
060 DISCRIMINATOR
061 DISPLAY
062 DOCK
• **063 DOOR**
064 DORMER
• **065 DOWN**
• **066 DOWNSTAIRS**
067 DRAWER
• **068 DRIVEWAY**
069 DRUG
• **070 DUCT**

• **071 EARTH**
072 EAST
073 ELECTRIC
074 EMERGENCY
075 ENTRY
• **076 EQUIPMENT**
077 EXECUTIVE
• **078 EXIT**
079 EXTERIOR

• **080 FACTORY**
081 FAILURE
082 FAMILY
• **083 FATHERS**
• **084 FENCE**
085 FILE
• **086 FIRE**
• **087 FLOOR**
088 FLOW
089 FOIL
• **090 FOYER**
091 FREEZER
• **092 FRONT**
093 FUR
094 FURNACE

095 GALLERY
• **096 GARAGE**
• **097 GAS**
098 GATE
• **099 GLASS**
100 GROUND
101 GUEST
102 GUN

• **103 HALL**
• **104 HEAT**
105 HIGH
106 HOLDUP
107 HOUSE

108 INFRARED
• **109 INSIDE**
110 INTERIOR
111 INTRUSION

112 JEWELRY
• **113 KITCHEN**

• **114 LAUNDRY**
• **115 LEFT**
116 LEVEL
• **117 LIBRARY**
• **118 LIGHT**
119 LINE
120 LIQUOR
• **121 LIVING**
• **122 LOADING**
123 LOCK
124 LOOP
125 LORRA
126 LOW
• **127 LOWER**

• **128 MACHINE**
129 MAGNETIC
130 MAIDS
131 MAIN
• **132 MASTER**
133 MAT
• **134 MEDICAL**
135 MEDICINE
136 MICROWAVE
137 MONEY
138 MONITOR
• **139 MOTHERS**
• **140 MOTION**
141 MOTOR
142 MUD

• **143 NORTH**
144 NURSERY

• **145 OFFICE**
146 OIL
• **147 OPEN**
148 OPENING
• **149 OUTSIDE**
150 OVERFLOW
151 OVERHEAD

152 PAINTING
• **153 PANIC**
154 PASSIVE
• **155 PATIO**
156 PERIMETER
• **157 PHONE**
158 PHOTO
159 POINT
160 POLICE
161 POOL
• **162 POWER**

163 QUAD

164 RADIO
• **165 REAR**
166 RECREATION
167 REFRIG
168 REFRIGERATION
169 RELAY 1
170 RF
• **171 RIGHT**
• **172 ROOM**
173 ROOF

174 SAFE
175 SCREEN
176 SENSOR
• **177 SERVICE**
• **178 SHED**
179 SHOCK
• **180 SHOP**
181 SHORT
182 SHOW
• **183 SIDE**
184 SKYLIGHT
185 SLIDING
• **186 SMOKE**
187 SONIC
• **188 SONS**
• **189 SOUTH**
190 SPRINKLER
191 STAMP
• **192 STATION**
193 STEREO
194 STORE
• **195 STORAGE**
196 STORY
197 STRESS
198 STRIKE
199 SUMP
200 SUPERVISED
201 SUPERVISION
202 SWIMMING
203 SWITCH

204 TAMPER
205 TAPE
206 TELCO
207 TELEPHONE
208 TELLER
• **209 TEMPERATURE**
210 THERMOSTAT
• **211 TOOL**
212 TRANSMITTER
213 TRAP
214 TRIGGERS

215 ULTRA
• **216 UP**
• **217 UPPER**
• **218 UPSTAIRS**
• **219 UTILITY**
220 VALVE
221 VAULT
222 VIBRATION
223 VOLTAGE

224 WALL
225 WAREHOUSE
226 WASH
• **227 WEST**
• **228 WINDOW**
229 WINE
• **230 WING**
231 WORK

232 XMITTER

233 YARD

234 ZN-1
• **235 ZONE**

• **236 0**
• **237 1**
• **238 1ST**
• **239 2**
• **240 2ND**
• **241 3**
• **242 3RD**
• **243 4**
• **244 4TH**
• **245 5**
• **246 5TH**
• **247 6**
• **248 6TH**
• **249 7**
• **250 7TH**
• **251 8**
• **252 8TH**
• **253 9**
• **254 9TH**
255 Custom Word 1
to
274 Custom Word 20

CHARACTER (ASCII) CHART
(For Adding Custom Words)

32	(space)	42	*	52	4	62	>	72	H	82	R
33	!	43	+	53	5	63	?	73	I	83	S
34	"	44	,	54	6	64	@	74	J	84	T
35	#	45	-	55	7	65	A	75	K	85	U
36	$	46	.	56	8	66	B	76	L	86	V
37	%	47	/	57	9	67	C	77	M	87	W
38	&	48	0	58	:	68	D	78	N	88	X
39	'	49	1	59	;	69	E	79	O	89	Y
40	(	50	2	60	<	70	F	80	P	90	Z
41	)	51	3	61	=	71	G	81	Q		

***Notes:** This factory-provided vocabulary of words is subject to change.
Bulleted words in **bold face type** are those that are also available for use by the 4285/4286 VIP Module. If using a VIP Module, and words other than these are selected for alpha descriptors, the Voice Module will not provide annunciation of those words.

Device Programming

This menu is used to program keypads, receivers and relay modules.
From Data Field Programming Mode, press **#93** to display "ZONE PROG?". Press **0** repeatedly to display "DEVICE PROG?".

DEVICE PROG? 1=YES 0=NO	Press **1** to enter *Device Programming*.
DEVICE ADDRESS 01-31, 00=QUIT	The device address identifies the device to the control. Enter the 2-digit device address number to match the device's physical address setting **(01-30)**. Press [∗] to accept entry. **Note:** Device Address 04 must be used for the 4285/4286 Voice Module, if one is installed. If not, it can be used for another device type.

Device Address **00** is always set as an alpha keypad assigned to Partition 1 with no sounder suppression options, and these settings cannot be changed.

DEVICE TYPE	Select the type of addressable device as follows: **0** = device not used **1** = alpha keypad (6139/6139R) **3** = RF receiver (5881) **4** = output relay module (4204/4204CF) **5** = Voice (VIP) Module (4285/4286) **6** = Long Range Radio **9** = Vista Gateway Module (VGM) Press [∗] to accept entry.

Alpha Keypad

CONSOLE PART.	If device type 1 (alpha keypad) is selected, this prompt will appear. Enter the addressable device's default partition number (01 to maximum number of partitions programmed for system in field 2*00). This is the primary partition for which the device is intended to be used. Enter **9** to make this keypad a "master" keypad for the system. Press [∗] to accept entry.

SOUND OPTION

If device type 1 (alpha keypad) is entered, this prompt will appear. Keypads can be individually programmed to suppress arm/disarm beeps, entry/exit beeps and chime mode beeps. This helps prevent unwanted sounds from disturbing users in other areas of the premises.

Enter a number **00-03** for the keypad sounding suppression options desired for the keypad as follows:

- **00** = no suppression.
- **01** = suppress arm/disarm & entry/exit beeps.
- **02** = suppress chime mode beeps only.
- **03** = suppress arm/disarm, entry/exit **and** chime mode beeps.

Press [*] to accept entry.

KEYPAD GLBL?

If device type 1 (alpha keypad) is entered, this prompt will appear. Each keypad can give users with access to multiple partitions the ability to arm and disarm those partitions from it. To enable this keypad for global arming/disarming, enter **1**. To prevent the ability to use this keypad for global arming/disarming, enter **0**.

Press [*] to accept entry.

RF Expander

RF EXPANDER
HOUSE ID XX

If device type 3 (RF Receiver) is selected, this prompt will appear. Enter the 2-digit House ID (**00-31**). This is required if using a wireless keypad (5827/5827BD).

Press [*] to accept entry.

Output Relay Module

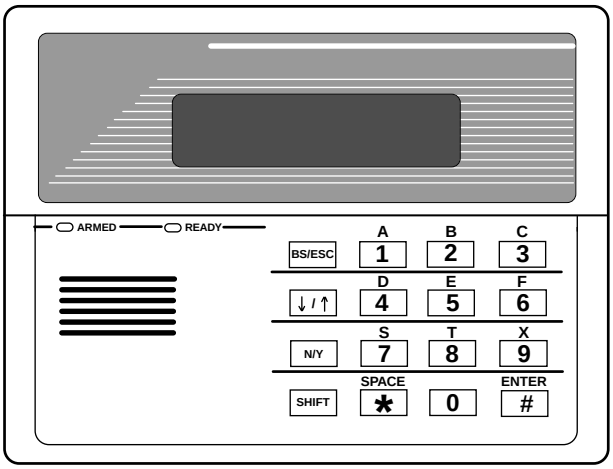
SUPERVISED CF?

If device type 4 (relay module) is selected, this prompt will appear. Enter **1** if the unit is a 4204CF. If not, enter **0**. If 1 is entered, only Relay 1 (Output A) and relay 3 (Output B) on each module are able to be programmed for functions. This module is usually used to add two additional supervised bell outputs to the system.

Press [*] to accept entry.

Long Range Radio

If device type 6 is chosen, the 6139 Keypad will function similar to the 7720PLRR Programming Tool. See *Figure 25-2* for the functions of the keys on the 6139.



SHIFT function indicated by turning on **READY LED**.

Figure 25-2 6139 Key Functions for Programming 7820 Radio

Each key has two possible functions: a normal function and a SHIFT function. To perform a normal key function, simply press the desired key. To perform a SHIFT key function, press SHIFT key, then press desired function key.

Normal and SHIFT key Functions:

Key	Normal Key Function	SHIFT Key Function
BS/ESC	[BS]: Press to delete entry Also, can reset EEPROM defaults *	[ESC]: Press to quit Program Mode.
↓/↑	[↓]: Scroll down programming	[↑]: Scroll up programming
N/Y	[N]: Press for "NO" answer.	[Y]: Press SHIFT-Y for "YES" answer
SHIFT	Press before pressing a SHIFT key function. Will light READY LED. LED goes out once a key is pressed. Press again for each SHIFT function desired.	
1/A	[1]: For entering the number 1	[A]: Used for entering C.S. ID number
2/B	[2]: For entering the number 2	[B]: Used for entering C.S. ID number
3/C	[3]: For entering the number 3	[C]: Used for entering C.S. ID number
4/D	[4]: For entering the number 4	[D]: Used for entering C.S. ID number
5/E	[5]: For entering the number 5	[E]: Used for entering C.S. ID number
6/F	[6]: For entering the number 6	[F]: Used for C.S. ID & FAST Mode
7/S	[7]: For entering the number 7	[S]: Press to display diagnostic status
8/T	[8]: For entering the number 8	[T]: Press to send TEST messages
9/X	[9]: For entering the number 9	[X]: Press to reset the 7820
*/SPACE	[*]: Not used with 7820	[SPACE]: Not used with 7820
0	[0]: For entering the number 0	No SHIFT function
#/ENTER	[#/ENTER]: Press to accept entries	No SHIFT function

***** Active only when the "REVIEW?" prompt is displayed.

The 6139 Keypad will display the following prompts, which are sent by the Long Range Radio transmitter to the control.

DEVICE ADDRESS	Enter the device address of the radio. The default address is 3.
ID # (1234)	Enter the 4-digit customer account number, **0001-9999**. This ID number will appear in the messages generated by the radio. Messages generated by the panel and transmitted by the radio will contain the ID number programmed into the panel. The radio and the panel should have the same ID number, if possible.

If a different 4-digit customer account number is used in the radio than is programmed into the alarm control, the radio will transmit radio-specific messages (power-on reset, AC fail, etc.) using the radio customer number, and alarm messages using the control panel's customer number. If these numbers are different, you will be billed for two AlarmNet radio accounts.

ODD [Y/N] (N)	Enter **Y** for odd system flag; **N** for even system flag.
Alarmnet (Y/N) (Y)	Enter **Y** if an AlarmNet installation. Enter **N** for private system users (skip to Question 7).
CS ID (11)	Enter the primary central station's system ID number, **1-7F** (will not be displayed for private system users).
BAT PRESENT [Y/N] (N)	Enter **Y** if optional battery will be used. **Must be Y for UL installations (a battery must be installed).**
USE RADIO # [Y/N] (N)	If **Y** is selected, the Radio ID number will replace the panel Subscriber ID in panel-generated messages with the Radio ID number. If **N** is selected, the radio will send panel-generated messages with the panel Subscriber ID number.
2ND CS ID (12)	**This must be programmed with a value, even if it is the same as the primary central station.** The alarm panel has the option to send a selected message to the second central station.
REVIEW (Y/N) (N)	Enter **Y** to review the programming options and to ensure that the correct responses have been made. Parameters can be changed during review. Enter **N** to end programing session.

VIP Module and VISTA Gateway Module

MODULE PART.	If device type 5 (VIP Module) or type 9 (VGM) is selected, this prompt will appear. Enter the partition number **1-8** in which the module is located. Press [∗] to accept entry. Press **00** + [∗] to exit Menu Mode. Press ∗99 to exit Program Mode.

Relay Programming

The system supports up to 32 relay outputs. Relays can be used to perform many different functions and actions. Each relay must be programmed to begin one of four types of ACTIONS at a designated START event, and end that ACTION at a designated STOP event. The options used to start and stop these devices are described below, followed by the actual screen prompts and available entries.
The letter(s) in parentheses after each function described below, such as (A) after ACTION, are those that appear in the various summary displays of programmed data during programming.

ACTION (A) The "ACTION" of the device is how the device will respond when it is activated by the "START" programming. You may want the device to activate momentarily, to pulse on and off continuously, or to remain activated until some other event occurs to stop it. There are five different choices of actions:

- ACTIVATE for 2 SECONDS and then reset.
- ACTIVATE and REMAIN ACTIVATED until stopped by some other event.
- PULSE ON and OFF until stopped by some other event.
- NO RESPONSE when the device is not used.
- TOGGLE on and off alternately with each activation of event.

START (STT) The "START" programming determines when and under what conditions the device will be activated. The following START options are available:

1) EVENT (EV) is the condition (alarm, fault, trouble) that must occur to a zone or group of zones (zone list) in order to activate the device. These conditions apply ***only*** when a zone list is used. The different choices for "EVENT" are listed below and in “Programming Relays” later in this section.

• ALARM	Relay action begins upon any alarm in an assigned zone in the zone list.
• FAULT	Relay action begins upon any opening of an assigned zone in the zone list.
• TROUBLE	Relay action begins upon any trouble condition in an assigned zone in the zone list.
• NO RESPONSE	Relay action is not dependent upon one of the above events.

ZONE LIST (ZL) is a group of zones to which the “EVENT” applies in order to activate a particular device. Note that there are a total of 8 zone lists that can be programmed; when the selected EVENT (alarm, fault or trouble) occurs in **any** zone in the selected “Start” ZONE LIST (1-8), activation of the selected device will START.

ZONE TYPE/SYSTEM OPERATION (ZT). If all zones to be used to start the device have the same response type, and there are no other zones of this type which are **not** to activate this device, then “ZONE TYPE” may be used instead of using a "ZONE LIST" and "EVENT” to activate the device.

If a System Operation, such as “DISARMING” or “ANY FIRE ALARM,” is to activate the device, the appropriate choice would also be entered under the “ZONE TYPE” option.

The “ZONE TYPE/SYSTEM OPERATION” option functions independently of the “EVENT/ZONE LIST” combination.

If a specific "ZONE TYPE" is chosen, any zone of that response type going into alarm, trouble, or fault will cause the device to activate as selected in "ACTION." If the same "ZONE TYPE" is also chosen for the STOP programming, any zone of that type that *restores* will de-activate the device.

If a "SYSTEM OPERATION" is chosen, that operation will cause the device to activate as selected in "ACTION." The different choices for "ZONE TYPE" and "SYSTEM OPERATION" are listed in "Programming Relays" later in this section, and on the Programming Form.

3) **PARTITION No. (P).** The device's "Start" ZONE TYPE/SYSTEM OPERATION may be limited to an occurrence on one partition (1-8), or any partition (0).

STOP (STP): The "STOP" programming determines when and under what conditions the device will be de-activated. The following options are available:

1). **RESTORE ZONE LIST (ZL)**. If a "ZONE LIST" is used as the "Stop" event, the device will de-activate when **all** the zones in that list restore from a previous fault, trouble, or alarm condition. This will occur regardless of what is programmed to "START" the device; therefore, a "RESTORE ZONE LIST" would normally only be used when a "ZONE LIST" is used to start the device.

2). **ZONE TYPE/SYSTEM OPERATION (ZT).** Instead of using a "RESTORE ZONE LIST," a specific zone (response) type or system operation action can be selected to de-activate the device.

If a specific "ZONE TYPE" is chosen, any zone of that response type that restores from a previous alarm, trouble, or fault condition will cause the device to de-activate.

If a "SYSTEM OPERATION" is chosen, that operation will cause the device to de-activate. The different choices for "ZONE TYPE" and "SYSTEM OPERATION" are listed in "Programming Relays" later in this section, and in the Programming Form.

3) **PARTITION No. (P).** The device's "Stop" Zone Type/System Operation may be limited to an occurrence on one partition (1-8), or on any partition (0).

The "ZONE TYPE/SYSTEM OPERATION" option functions independently of the "EVENT/ZONE LIST" combination.

Relay Output Devices Programming

From Data Field Programming Mode, press **#93** to display the "ZONE PROG?" prompt. Press **0** (NO) to each menu option until the "RELAY PROG?" prompt appears. Press **1** (YES).

While in this mode, press [∗] to advance to next screen. Press [**#**] to backup to the previous screen.

ENTER RELAY NO. (00=QUIT) 01

Enter the relay (output device) identification number **01-16**. This is a reference number only, used for identification purposes. The actual module address and relay number on the module are programmed in the last two prompts.

Press [∗] to continue.

02 A EV ZL ZT P STT 0 0 0 00

Press [∗] to continue.

02 A ZL ZT P STP 0 0 00	The keypad will display a summary STOP screen. Press [∗] to continue.
02 RELAY ACTION NO RESPONSE	The Relay Action is the way in which the relay will respond when activated by the "start" event. Enter the desired action for this relay as follows: **0**=not used; **1**=close for 2 secs.; **2**=stay closed; **3**=pulse on/off; **4**= toggle on and off alternately
02 START EVENT NOT USED	A relay may be activated either by an Event used in conjunction with a Zone List, **and**/**or** by a Zone Type/System Operation. If using an Event/Zone List combination, enter the event code as follows: **0**=not used; **1**=alarm; **2**=fault; **3**=trouble If not using a Zone List to activate the relay, enter **0.** Press [∗] to continue.
02 START: ZN LIST NO LIST	A Zone List is a set of zones that can be used to initiate the start or stop relay action. If a zone list is being used to start this relay action, enter the Zone List number **1-8**. If a zone list is not being used, enter **0**. Press [∗] to continue.
02 START: ZN TYPE	A Zone Type/System Operation can be used **instead** of or **in addition** to an Event/Zone List combination to start the relay action. If a Zone Type/System Operation is being used, enter the 2-digit code as listed below. Press [∗] to continue.

Choices for Start/Stop Zone Types:

00 = No Response (Not Used)
01 = Entry/Exit #1
02 = Entry/exit #2
03 = Perimeter
04 = Interior Follower
05 = Trouble Day/Alarm Night
06 = 24-Hr. Silent
07 = 24-Hr. Audible
08 = 24-Hr. Auxiliary
09 = Fire Alarm or Trouble
10 = Interior W/Delay
16 = Fire With Verification
17 = Fire Waterflow
23 = No Alarm Response
(for output relay activation, such as for access control purposes)
27 = Access Point
(allows more than one relay to be controlled by activation if access point request)

Choices for Start/Stop System Operation:

18 = Fire Supervisory
19 = 24-Hr. Trouble
20 = Arming-STAY
21 = Arming-AWAY
22 = Disarming ([Code] + Off)
30 = On Second Off
31 = End of Exit Time
32 = Start of Entry Time
33 = Any Burglary Alarm
34 = Code + [#] + 71 Key Entry
35 = Code + [#] + 72 Key Entry
36 = At Bell Timeout **
37 = 2 Times Bell Timeout**
38 = Chime
39 = Fire Alarm
40 = Bypassing
41 = AC Power Fail
42 = System Battery Low
43 = Communication failure
44 = RF Low Battery
45 = Polling Loop Failure
51 = RF Receiver Failure
52 = Kissoff
54 = Fire Zone Reset
55 = Disarm + 1 Minute
56 = XX Minutes (enter XX in field 1*74 stop condition only)
57 = YY Seconds (enter YY in field 1*75 stop condition only)
58 = Duress
60 = Audio Alarm Verification **(must be selected for both START and STOP operation)**
61 = Code + [#] + 67 Key Entry
62 = Bell 2 Timeout
63 = Aux. Relay Timeout

** Or at Disarming, whichever occurs earlier

If using options 57 and/or 58 (usually as the STOP Zone Type), data fields 1*74 and 1*75 for the respective relay timeouts for minutes and seconds must be programmed.

02 START: ACS PT (00-31) 00	If the start zone type selected was 27 (access point), this prompt will be displayed. Enter the access point **(00-31)** which will start the relay action.
02 START PART	If the starting event will be limited to occurring on a specific partition, enter the partition number (**1-8**) in which the start event will occur. Enter **0** for any partition. Press [*] to continue.
02 STOP: ZN LIST NO LIST	If a zone list is being used to stop this relay action, enter the zone list number **1-8**. The **restore** of a zone on the zone list will stop the relay. If a zone list is not being used, enter **0**. Press [*] to continue.
02 STOP: ZN TYP	If a Zone Type/System Operation is being used to stop the relay action, enter the 2-digit code as listed in the "Choices for Start/Stop Zone Type/System Operation" table. Press [*] to continue.
02 STOP: ACS PT (00-31) 00	If the stop zone type selected was 27, (access point), this prompt will be displayed. Enter the access point **(00-31)**, which will stop the relay action.
02 STOP PART	This is the partition to which the stop condition will be limited. Enter **0** for any partition. Enter **1-8** for specific partition number. Press [*] to continue.
RELAY GROUP	Relays may be grouped for common activation by time-driven events (commands **06-10**). Enter **0** (no group) or **1-8** for a specific group number. Press [*] to continue.
01 FIRE BELL? 1 = YES 0 = NO	If this relay is on a supervised 4204CF Module, it may be used as an additional fire bell. Enter **1 (Y)** if it is; enter **0** if it is not. This tells the system which relays are to be activated during a fire drill or Fire Walk-Test. Press [*] to continue.
RESTRICTION 1=YES 0=NO	The system may have some devices, which are not intended to be under end user control, such as relays activating fire doors or machinery. Enter **1** if the end user will be restricted from accessing this relay group. If this is a fire bell, it will be restricted automatically. Press [*] to continue.
RELAY TYPE	Enter **0** for V-Plex (polling loop) devices. Enter **1** for relay modules (4204/4204CF). Enter **2** for Powerline Carrier devices.
V-PLEX ZONE #	For polling loop trigger outputs (4101SN), enter the protection zone number (001-128) linked to each output, if used. If not using a protection zone on these modules, enter the relay zone number (601-632). Be sure to enroll the module's serial number (see Zone Programming prompt earlier in this section). Press [*] to continue.

ECP ADDRESS	For relay modules (4204/4204CF), enter the actual relay module's address **(01-15)** as set by its DIP switches. Up to 8 modules can be installed in a system.
MODULE RELAY #	For 4204 Relay Outputs, enter the specific relay number on that module (**1-4**). **For 4204CF outputs*, enter only module relay number 1 (Output A) or relay number 3 (Output B).*** These are the only two programmable relays on the 4204CF Module. Press [∗] to continue. The keypad will display the Start and Stop summary screens again. Press [∗] to continue.

When all relays have been programmed, enter **00** at the "ENTER RELAY NO." prompt.

If defining a zone list, continue to the next section. If not, enter **00** + [∗] at the next two prompts. You will then be asked "Quit Menu Mode?" Enter **1** for "Yes," **0** for "No." Then enter ***99** to exit programming completely.

If supervision of the 4204CF Relay Output is desired, enter a response type for that output's corresponding supervisory zone. This is equal to 600 + [Relay ID No.]. For example, if you are programming Relay ID No. 1, the relay's supervisory zone would be 601. Program this zone for response type 19 (24-Hr. Trouble) in *Zone Programming*.

Zone List Programming

After all relays have been programmed, upon entering **00** at the "ENTER RELAY NO." prompt, you will be asked to enter a zone list. If a zone list number was used to start or stop a relay, you must define the zones belonging to that list as follows:

Enter Zone LIST 00=QUIT 00	Enter the zone list number **01-08**. Enter **00** to quit.
001 Enter Zn Num. 000=QUIT 000	Using 3-digit entries, enter each zone to be included in this zone list. Press [∗] after each zone number is entered. When all zones have been entered, enter **000**. Press [∗] to continue.
001 Del Zn LIST? 0=No 1=Yes	Enter **0** to save the zone list entered. Enter **1** to delete that zone list.
001 Delete Zone? 0=No 1=Yes	Enter **1** to delete one or more zones in that zone list. Enter **0** if no changes are necessary. If 1 is entered, the following screen will appear, otherwise the "Enter Zone LIST" prompt will reappear.
001 Zn to Delete? 000=QUIT 000	Enter each zone number to be deleted from the zone list, pressing [∗] after each number.
View Zn LIST 00=QUIT 00	This will appear if **00** is pressed at the “Enter Zone LIST” prompt. Enter the zone list number that you wish to view. Press [∗] to continue.

XXX Assigned Zone
000=QUIT 000

Press [*] to scroll through all zones in that list. Enter **000** +[*] to quit.
Press ***99** to exit Program Mode.

Relay Voice Descriptors

If using the 4285/4286 VIP Module, voice descriptors can be programmed for each of the 32 relays used in the system. These descriptors will be announced by the voice module when accessing the relays via the # 70 Relay Access Mode via telephone.
Each voice descriptor can consist of up to 3 words selected from the relay voice descriptor vocabulary list (later in this section).

The index numbers from this vocabulary list are to be used for relay voice descriptors only. For normal system voice annunciation (e.g., alarms, troubles, status), use the highlighted words in the alpha vocabulary list in the *Alpha Programming* part of this section.

To enter relay voice descriptors, do the following:

1. From Data Field Programming Mode, press **#93** to display the "ZONE PROG?" prompt.
2. Press **0** (NO) to each menu option until the "RLY VOICE DESCR?" prompt is displayed. Follow the instructions below. While in this mode, press [*] to advance to next screen. Press [#] to back up to previous screen.

RLY VOICE DESCR?
0=no 1=yes

Press **1** to program voice descriptors for relays.

ENTER RELAY NO.
00=QUIT 01

Enter the 2-digit relay number (**01-32**) for the relay desired, or enter **00** to quit Relay Voice Descriptor Programming Mode.
Press [*].

01 ENTER DESC d1

From the relay voice descriptor vocabulary list, enter the 3-digit index number for the first word of the relay descriptor phrase. Press [*] to accept entry.

01 ENTER DESC d2

From the relay voice descriptor vocabulary list, enter the 3-digit index number for the second word of the relay descriptor phrase. If second word is not desired, press **000**.
Press [*] to accept entry.

01 ENTER DESC d3

From the relay voice descriptor vocabulary list, enter the 3-digit index number for the third word of the relay descriptor phrase. If third word is not desired, press **000**.
Press [*] to accept entry. The "ENTER RELAY NO." prompt will appear. Enter the next relay number to be programmed. When all output devices have been programmed, enter **00** to quit.
Enter *99 to exit Program Mode.

Relay Voice Descriptors and Custom Word Substitutes Vocabulary

Word	Index
Air	116
Alarm	255
And	067
Apartment	117
Appliances	161
Area	118
Attic	119
Baby	120
Back	121
Bar	122
Basement	021
Bathroom	051
Battery	053
Bed	092
Bedroom	015
Blower	123
Boiler	124
Bright	162
Building	125
Burglary	039
Call	009
Central	089
Chime	054
Closed	126
Computer	127
Console	066
Daughter's	208
Den	052
Detector	128
Device	060
Dim	163
Dining	031
Door	016
Down	008
Downstairs	184
Driveway	130
Duct	131
East	132
Eight	077
Eighth	221
Equipment	133
Exit	004
Factory	134
Father's	211
Fence	135
Fifth	218
Fire	040
First	136
Five	074
Floor	029
Four	073
Fourth	217
Foyer	137
Front	087
Garage	023
Gas	138
Glass	139
Hall	050
Heat	010
Inside	209
Kitchen	022
Laundry	140
Left	027
Library	141
Light	019
Living	030
Loading	142
Lower	094
Machine	143
Master	144
Medical	014
Mother's	212
Motion	145
Nine	078
Ninth	222
No	165
North	146
Not	012
Off	011
Office	147
On	058
One	070
Open	148
Outside	210
Panic	013
Partition	090
Patio	149
Phone	061
Power	063
Pump	166
Rear	088
Right	028
Room	018
's	007
Second	056
Service	150
Seven	076
Seventh	220
Shed	151
Shop	152
Side	153
Six	075
Sixth	219
Smoke	024
Son's	223
South	155
Stairs	006
Station	156
Storage	157
Sun	154
System	062
Temperature	158
Third	159
Three	072
Tool	213
Two	071
Up	025
Upper	187
Upstairs	183
Utility	185
West	215
Window	017
Wing	216
Zero	069
Zone	002

Custom Word Substitutes for VIP Module Annunciation

A substitute word can be programmed for each of the 20 custom words used in your alpha zone descriptions. The VIP Module will announce this substitute word in place of the custom word that is displayed on the alpha keypad. For example, an alarm display of "John's Bedroom" could be announced as "Son's Bedroom," since there is no annunciation for the custom word "John." Note that if a substitute word is not assigned, the VIP Module will not annunciate the zone descriptor at all, but will only annunciate the zone number.

To enter custom word substitutes, do the following:

1. From Data Field Programming Mode, press **#93** to display the "ZONE PROG?" prompt.
2. Press **0** (NO) to each menu option until the "CUSTOM INDEX ?" prompt is displayed.

CUSTOM INDEX ? 0=no 1=yes

Enter **1** at this prompt.

CUSTOM WORD NO. 00=QUIT

Enter the custom word number (**01-20**) for which a voice substitute is desired. Enter **00** to quit this Programming Mode.

Press [∗] to accept entry.

01 ENTER INDEX #

Enter the 3-digit substitute word index number from the relay voice descriptor and custom word substitutes vocabulary list found in the *Relay Voice Descriptors* part of this section.

Press [∗] to accept entry.

The "CUSTOM WORD NO." prompt will be displayed. Enter the next custom word number to be substituted or enter **00** to quit.

RF Serial Number Clear Mode

This mode may be used in the event that an undesired transmitter has been enrolled during sequential enrolling, causing each subsequent serial number to be assigned to an incorrect zone. Performing this operation will delete all RF serial numbers, leaving all other zone information intact. You may then return to *Sequential Mode* to re-enroll wireless transmitters.

The RF Serial Number Clear Mode will ***not*** delete polling loop serial numbers.

To clear all RF wireless serial numbers, do the following:

1. Enter Data Field Programming Mode: [Installer Code] + **8 0 0 0**.
2. From Data Field Programming Mode, press **#93** to display the "ZONE PROG?" prompt.
3. Press **0** (NO) repeatedly until the "CLEAR RF SERIAL #?" prompt appears.

CLEAR RF SERIAL#? 1 = YES, 0 = NO 0

Enter **1** to clear all RF wireless serial numbers. The "ARE YOU SURE?" prompt is displayed as follows:

ARE YOU SURE? 1 = YES, 0 = NO 0

Enter **1** to clear all RF serial numbers. Re-enter the Sequential Mode to enroll wireless transmitters.

System Layout Worksheets

As with any security system, you should first define the installation. This includes determining how many partitions will be used, how many zones per partition, and how many users per partition. You will also need to determine what peripheral devices will be needed, and basic system options such as exit/entry delays, etc. The control panel itself should be located in an area that will facilitate wire runs to all partitions, and will allow access to power and telephone circuits.

To help you lay out a partitioned system, use the following worksheet. This will further simplify the programming process.

PARTITIONS				
Partition #	**Descriptor (4 char max)**	**Prim. Sub. #**	**Sec. Sub. #**	**Alpha Default Message (32 character maximum)**
Partition 1				
Partition 2				
Partition 3				
Partition 4				
Partition 5				
Partition 6				
Partition 7				
Partition 8				
Keyswitch Arming Partition Assignment (1-8 or 9):				
Wireless Keypad Partition Assignment (1-8):				
Voice Module Partition Assignment (1-8):				
Use Partition Descriptor (yes/no)?				
Common Lobby Partition Assignment (1-8):				

COMMUNICATION OPTIONS BY PARTITION								
Option	**Part. 1**	**Part. 2**	**Part. 3**	**Part. 4**	**Part. 5**	**Part. 6**	**Part. 7**	**Part. 8**
Swinger Suppression Count 00-15; 00=no suppression								
Cancel Report After Disarm								
Dialer Reports for Panic (* + 1)								
Dialer Reports for Panic (# + 3)								
Dialer Reports for Panic (* + #)								
Dialer Reports for Duress								
Burglary Alarm Communications Delay (16 sec.)								

SYSTEM DEFINITIONS BY PARTITION 9enter values or yes/no)								
Option	**Part. 1**	**Part. 2**	**Part. 3**	**Part. 4**	**Part. 5**	**Part. 6**	**Part. 7**	**Part. 8**
Entry Delay #1 (15-225 seconds):								
Exit Delay #1 (15-225 seconds):								
Entry Delay #2 (15-225 seconds):								
Exit Delay #2 (15-225 seconds):								
Quick Arming								
Multiple Alarms per Arming								
Console Panic for zone 995 (* + 1)								
Console Panic for zone 996 (# + 3)								
Console Panic for zone 999 (* + #)								
Allow Sign-on (GOTO function)								
Non-Bypassable Zone*								
Sounder Timeout Duration for Bell 1 (2 min. increments)								
Sounder Timeout Duration for Bell 2 & Aux Rly (2 min. increments)								
Console Annunciation During Entry**								
Console Annunciation During Exit								
Confirmation of Arming Ding for Bell 1								
Confirmation of Arming Ding for Bell 2 & Aux Rly								
Chime on Bell 1								
Chime on Bell 2 & Aux Relay								
Access Control Relay (field 1*76)								
Affects Lobby (check partitions that apply)								
Årms Lobby (check partitions that apply)								
Displays Fire Alarms of Other Partitions								
Displays Burg & Panic Alarms of Other Partitions								
Displays Troubles of Other Partitions								

*Can be any zone 001-128.
**no= 3 beeps yes=continuous

PRINTER OPTIONS	
12 or 24 hour Time format	
Printer On-Line (yes/no)	
*1200 or 300 baud Printer Baud Rate	

*Note: Must be 1200 if using pager interface

EVENT LOG TYPES		
Option	**No**	**Yes**
Alarm		
Trouble		
Bypass		
Open/Close		
System		
Test		

DEVICES (keypads, 4204, rf receivers, vip module, lrr, vgm)											
Device Address	**Type**	**Home Part**	**Sound Opt**	**Supv CF?**	**Keypad Global**	**Device Address**	**Type**	**Home Part**	**Sound Opt**	**Supv CF?**	**Keypad Global**
00						16					
01						17					
02						18					
03						19					
04						20					
05						21					
06						22					
07						23					
08						24					
09						25					
10						26					
11						27					
12						28					
13						29					
14						30					
15						31					

Type:

0 = Device Not Used
1 = Alpha Console
3 = RF Receiver
4 = Output Relay Module
5 = Voice Module
6 = Long Range Radio
9 = Vista Gateway Module

Console Sounder Options:

00 = No Suppression
01 = Suppress Arm/Disarm and Entry/Exit Beeps
02 = Suppress Chime Mode Beeps Only
03 = Suppress Arm/Disarm, Entry/Exit and Chime Mode Beeps

Defaults:

Addresses 00-01 = Alpha Keypad; No Suppression

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 1-3													
4-digit Security Code	Access Group 0; 1-8	Partition 1				Partition 2				Partition 3			
		2-Digit User #	Global Arm?	Auth. Level	Open/ Close	2-Digit User #	Global Arm?	Auth. level	Open/ Close	2-Digit User #	Global Arm?	Auth. Level	Open/ Close

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 4-6													
4-digit Security Code	Access Group 0; 1-8	Partition 4				Partition 5				Partition 6			
		2-Digit User #	Global Arm?	Auth. Level	Open/ Close	2-Digit User #	Global Arm?	Auth. Level	Open/ Close	2-Digit User #	Global Arm?	Auth. Level	Open/ Close

ACCESS CODES & USER DEFINITIONS FOR PARTITIONS 7-8										
4-digit Security Code	Access Group 0; 1-8	Partition 7				Partition 8				NOTES:
		2-Digit User #	Global Arm?	Auth. Level	Open/ Close	2-Digit User #	Global Arm?	Auth. Level	Open/ Close	

Authority Levels:
1=master (arm, disarm, bypass, and/or modify lower level users)
2=manager (arm, disarm, bypass, and/or modify lower level users)
3=operator A (arm, disarm, bypass)
4=operator B (arm, disarm)
5=operator C (arm, disarm only if system was armed with this code)
6=duress code (arm, disarm, triggers silent panic alarm)

ZONE DEFINITIONS FOR ZONES 001-024							
Zone No.	**Zone Type**	**Parti-tion (1-8)**	**Input Type (1-8)**	**Serial # Device Loop**	**Bell/Relay Activation**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
01							
02							
03							
04							
05							
06							
07							
08							
09							
010							
011							
012							
013							
014							
015							
016							
017							
018							
019							
020							
021							
022							
023							
024							

ZONE DEFINTIONS FOR ZONES 025-048							
Zone No.	**Zone Type**	**Parti-tion (1-8)**	**Input Type (1-8)**	**Serial # Device Loop**	**Bell/Relay Activation**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
025							
026							
027							
028							
029							
030							
031							
032							
033							
034							
035							
036							
037							
038							
039							
040							
041							
042							
043							
044							
045							
046							
047							
048							

ZONE DEFINITIONS FOR ZONES 049-072							
Zone No.	**Zone Type**	**Parti-tion (1-8)**	**Input Type (1-8)**	**Serial # Device Loop**	**Bell/Relay Activation**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
049							
050							
051							
052							
053							
054							
055							
056							
057							
058							
059							
060							
061							
062							
063							
064							
065							
066							
067							
068							
069							
070							
071							
072							

ZONE DEFINTION FOR ZONES 073-096							
Zone No.	**Zone Type**	**Parti-tion (1-8)**	**Input Type (1-8)**	**Serial # Device Loop**	**Bell/Relay Activation**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
073							
074							
075							
076							
077							
078							
079							
080							
081							
082							
083							
084							
085							
086							
087							
088							
089							
090							
091							
092							
093							
094							
095							
096							

ZONE DEFINTION FOR ZONES 097-120							
Zone No.	**Zone Type**	**Parti-tion (1-8)**	**Input Type (1-8)**	**Serial # Device Loop**	**Bell/Relay Activation**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
097							
098							
099							
100							
101							
102							
103							
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							

ZONE DEFINTION FOR ZONES 121-128							
Zone No.	**Zone Type**	**Parti-tion (1-8)**	**Input Type (1-8)**	**Serial # Device Loop**	**Bell/Relay Activation**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
121							
122							
123							
124							
125							
126							
127							
128							

ZONE DEFINITIONS FOR KEYPAD PANIC ZONES 995, 996, & 999												
		Enter yes/no for each partition-field *22										
Zone No.	**Zone Type**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**Bell/Rel Act.**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
995												
996												
999												

ZONE DEFINITIONS FOR SYSTEM ZONES 970-975; 988; 990 & 997			
Zone No.	**Zone Type**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
970			
971			
972			
973			
974			
975			
988			
990			
997			

ZONE DEFINITIONS FOR RELAY SUPERVISORY ZONES 601-616							
Zone No.	**Zone Type**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**	**Zone No.**	**Zone Type**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
601				617			
602				618			
603				619			
604				620			
605				621			
606				622			
607				623			
608				624			
609				625			
610				626			
611				627			
612				628			
613				629			
614				630			
615				631			
616				632			

ZONE DEFINITIONS FOR SUPERVISORY OF ECP DEVICE ZONES 800-831							
Zone No.	**Zone Type**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**	**Zone No.**	**Zone Type**	**Report Code**	**Zone Information (part numbers) & Alpha Descriptor (3 words max.)**
800				816			
801				817			
802				818			
803				819			
804				820			
805				821			
806				822			
807				823			
808				824			
809				825			
810				826			
811				827			
812				828			
813				829			
814				830			
815				831			

Zone Types:

00=zone not used	06=24 hour silent	16=Fire w/Verification	21=arm away
01=entry/exit 1	07=24 hour audible	17=Fire Waterflow	22=disarm
02=entry/exit 2	08=24 hour auxiliary	18=Fire Supervisory	23=no alarm response
03=perimeter	09=supervised fire	19=24 hour trouble	27=access control
04=interior (follower)	10=interior (delay)	20=arm stay	28=MLB supervision
05=day/night burglary			

Input Types:

00=not used	06=serial number polling loop
01=hardwired	07=dip switch type polling loop
03=supervised RF transmitter	08=right loop dip switch polling loop
04=unsupervised RF transmitter	09=keypad input
05=RF button transmitter	10=PassPoint ACS input

Bells/Auxiliary Relay Activation:

0=none	4=auxiliary relay
1=bell 1	5=bell 1 & auxiliary relay
2=bell 2	6=bell 2 & auxiliary relay
3=bells 1 & 2	7=bells 1 & 2 & auxiliary relay

Output Relays Worksheets

Applicable only if Relays (4204/4204CF) are to be used.

Output Devices – Programmed in the #93 Menu Mode in the Relay Programming Section. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

Note: The Device Programming section must be programmed for the device address. Set the dip switches on the 4204/4204CF for that address.

		START either (EV) / (ZL) or (ZT) / (P) or both				STOP either (ZL) or (ZT)/(P) or both					
OUTPUT DEV #	(A)	(EV)	(ZL)	(ZT)	(P)	(ZL)	(ZT)	(P)	1=4204	Dev Add for 4204	Relay # for 4204
1	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
2	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
3	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
4	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
5	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
6	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
7	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
8	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
9	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
10	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
11	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
12	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
13	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
14	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
15	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
16	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
17	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
18	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
19	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
20	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
21	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐

OUTPUT RELAYS WORKSHEET (cont'd)

		S T A R T either (EV) / (ZL) or (ZT) / (P) or both				S T O P either (ZL) or (ZT)/(P) or both					
OUTPUT DEV #	(A)	(EV)	(ZL)	(ZT)	(P)	(ZL)	(ZT)	(P)	1=4204	Dev Add for 4204	Relay # for 4204
22	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
23	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
24	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
25	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
26	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
27	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
28	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
29	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
30	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
31	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐
32	☐	☐	☐	☐ ☐	☐	☐	☐ ☐	☐	☐	☐	☐

A = DEVICE ACTION 0 = No Response; 1 = Close for 2 sec; 2 = Close and stay closed; 3 = Pulse on and off; 4 = Toggle alternately between START and STOP events.

EV = EVENT 0 = Not used; 1 = Alarm; 2 = Fault; 3 = Trouble; 4 = Restore

Z L = ZONE LIST 1-8, 0 = Not Used.

"START" ZONE LIST: Upon alarm, fault, or trouble of ANY zone in this list, device action will START.

"STOP" ZONE LIST: Upon restore of ALL zones on this list, device action will STOP. It need not be same list as used for START.

ZT = ZONE TYPE/SYSTEM OPERATION

Choices for Zone Types are:

00=Zone Not Used	06=24 Hour Silent	17=Fire Waterflow
01=Entry/Exit 1	07=24 Hour Audible	18=Fire Supervisory
02=Entry/Exit 2	08=24 Hour Auxiliary	19=24 Hour Trouble
03=Perimeter	09=Supervised Fire	23=No Alarm Response
04=Interior (Follower)	10=Interior (Delay)	27=Access Control
05=Day/Night Burglary	16=Fire w/Verification	28=MLB Supervision

NOTE: Any zone in "ZT" for Start, going into alarm, fault, or trouble will activate the relay. Any zone in "ZT" for Stop, that restores will stop the relay action.

Choices for System Operation are:

20 = Arming-Stay	37 = 2 Times Bell Time-out*	52 = Kissoff
21=Arm Away	38 = Chime	54 = Fire Zone Reset
22 = Disarming	39 = Fire Alarm	55 = Disarm + 1 Minute
30 = On Second Off	40 = Bypassing	56 = XX Minutes (enter XX in field 1*74)
31 = End of Exit Time	41 = AC Power Fail	57 = YY seconds (enter YY in field 1*75)
32 = Start of Entry Time	42 = System Battery Low	58 = Duress
33 = Any Burglary Alarm	43 = Communication Failure	60 = Audio Alarm Verification**
34 = Code + # + 71 Key Entry	44 = RF Low Battery	61 = Code + # + 67 Key Entry
35 = Code + # + 72 Key Entry	45 = Polling Loop Failure	62 = Bell 2 Time-out*
36 = At Bell Time-out*	51 = RF Receiver Failure	63 = Aux. Relay Time-out*

*Or at disarming, whichever occurs first
**Must be selected for both START and STOP operation

P = PARTITION No. 1-8, 0 = Any

ZONE LISTS FOR OUTPUT DEVICES – Programmed in the #93 Menu Mode in the Relay Programming Section. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

Note: Record desired zone numbers below. More or fewer boxes than shown may be needed, since any list may include *any* or *all* of system's zone numbers.

Zone List 1: Started or stopped by zone numbers (enter 00 to end entries).

☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ …etc.

Zone List 2: Started or stopped by zone numbers (enter 00 to end entries).

☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ …etc.

Zone List 3: Started or stopped by zone numbers (enter 00 to end entries).

☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ …etc.

Zone List 4: Started or stopped by zone numbers (enter 00 to end entries).

☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ …etc.

Zone List 5: Started or stopped by zone numbers (enter 00 to end entries).

☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ …etc.

Zone List 6: Started or stopped by zone numbers (enter 00 to end entries).

☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ …etc.

Zone List 7: Started or stopped by zone numbers (enter 00 to end entries).

☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ …etc.

Zone List 8: Started or stopped by zone numbers (enter 00 to end entries).

☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ ,☐☐ …etc.

Scheduling Menu Prompts

To program schedules, enter Scheduling program mode by pressing [Installer Code] + # + 80 to display the first choice of the menu driven programming functions. Press 0 (NO) or 1 (YES) in response to the displayed menu selection. Pressing 0 will display the next choice in sequence. Menu selections are as follows:

Time Window ? 1 Yes 0 = No 0	For defining up to 20 time windows each with a start and a stop time programmed by entering the hours and minutes.
O/C Schedules ? 1 Yes 0 = No 0	For defining the daily open and close schedules for the 8 partitions. Each partition can be programmed with an opening and closing window for each day of the week and holidays.
Holidays ? 1 Yes 0 = No 0	For defining up to 16 holidays for which partitions they apply.
Timed Events ? 1 Yes 0 = No 0	For defining up to 20 time driven events with the following parameters: • Time window • Action desired • Action specifier • Activation time • Days of the week
Access Sched. ? 1 Yes 0 = No 0	For defining the limitation of access schedules for the user codes. Each schedule can be programmed with two window for each day of the week and holidays

#80 & #81 MENU MODE KEY COMMANDS

The following is a list of commands used while in the menu mode.

#80 or #81	Enters Menu mode
[*]	Serves as ENTER key. Press to have keypad accept entry.
[#]	Backs up to previous screen.
0	Press to answer NO
1	Press to answer YES
01-09	All data entries are either 2-digit entries.
00	Exits menu mode, back normal operation mode, when entered at the first question for each category.

Scheduling Worksheets

Time Windows Definitions Worksheet.

The system provides 20 time windows that are defined with start and stop times. They are programmed in the #80 Menu Mode. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

Time Window Number	Start Time (HH:MM)	Stop Time (HH:MM)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

(Keep this worksheet handy, as you will be asked for a given time window number later in this section).

Since the time windows are shared among all partitions, it is important to make sure that changing a time window does not adversely affect desired actions in other partitions.

Daily Open/Close Schedule Worksheet:

Using the time windows previously defined, fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

Part	Mon		Tues		Wed		Thur		Fri		Sat		Sun		Hol	
	Op	Cl	Op	Cl	Op	Cl	Op	Cl	Op	Cl	Op	Cl	Op	Cl	Op	Cl
1																
2																
3																
4																
5																
6																
7																
8																

Holiday Schedule Worksheet:

The system provides up to 16 holidays that can be assigned for the system. Each holiday can be assigned to any combination of partitions. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

HOL	Partition								
	Month/Day	1	2	3	4	5	6	7	8
1	/								
2	/								
3	/								
4	/								
5	/								
6	/								
7	/								
8	/								
9	/								
10	/								
11	/								
12	/								
13	/								
14	/								
15	/								
16	/								

Time-Driven Event Worksheet:

The system provides up to 20 time driven events that can be programmed for the system. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

Sched Num.	Time Window	Day(s)								Action Desired	Action Specifier	Activation Time
		M	T	W	T	F	S	S	H			
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												

Below is a list of the "Action" codes (desired actions) used when programming time driven events. Note that these codes are independent of the "relay codes" programmed during the #93 Menu Mode–Relay Programming mode. **If using Time Driven Events to control relays, the following menu items must first be programmed using #93 Menu Mode - Relay Programming:**

Enter Relay No.	(reference identification number)
Relay Group	(if applicable)
Restriction	
Relay Type	(4204 or none)
ECP Address	
Relay No.	if 4204 relays

Relay commands:

Action Specifier for commands 01-05 is Relay #, for commands 06-10 is Relay Group #.

01 = Relay On
02 = Relay Off
03 = Relay Close for 2 seconds
04 = Relay Close XX minutes (field 1*74)
05 = Relay Close YY seconds (field 1*75)
06 = Relay Group On
07 = Relay Group Off
08 = Relay Group Close for 2 seconds
09 = Relay Group Close XX minutes (field 1*74)
10 = Relay Group Close YY seconds (field 1*75)

Arm/Disarm commands:

Action Specifier for commands 20-24 is Partition(s), Activation times 1 (Beginning), 2 (End), 3 (During) are the only valid choices for auto-arming and disarming functions.

20 = Arm-Stay
21 = Arm Away
22 = Disarm
23 = Force Arm Stay (Auto-bypass faulted zns)
24 = Force Arm Away (Auto-bypass faulted zns)

Bypass commands:

Action Specifier for commands 30-31 is Zone List #, Activation times 1 (Beginning), 2 (End), 3 (During) are the only valid choices for bypass commands.

30 = Auto bypass - Zone list
31 = Auto unbypass - Zone list

Open/Close Windows:

Action Specifier for commands 40-41 is Partition(s), for 42 is Access Group, and for 50 no specifier is programmed. Activation time 3 (During) is the only valid choice for these commands.

40 = Enable Opening Window
41 = Enable Closing Window
42 = Enable Access Window
50 = Off-Normal Reminder (Starts local keypad beeping if fire off-normal condition exists)

Activation time:

Refers to when the action is to take place relative to the time window.

1 = Beginning of time window
2 = End of time window
3 = During time window active period only (On at beginning of window, off at end).
4 = Beginning and end of time window (ex. -Coffee break buzzer).

Limitation of Access Worksheet

The system provides up to 8 Access Schedules that can be programmed for the system. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

Acc	Mon		Tues		Wed		Thurs		Fri		Sat		Sun		Hol	
Sch	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2	W1	W2
1																
2																
3																
4																
5																
6																
7																
8																

Temporary Schedule #81 Menu Mode

The system provides a Temporary Schedule for each partition. Enter the temporary scheduling mode by pressing [Installer Code] + #81. Fill in the required data on the worksheet below and follow the procedure in the installation instructions as you enter the data during the displays and prompts that appear in sequence.

Partition/Windows		Mon	Tue	Wed	Thu	Fri	Sat	Sun
1	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
2	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
3	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
4	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							

Partition/Windows		Mon	Tue	Wed	Thu	Fri	Sat	Sun
5	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
6	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
7	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							
8	**Disarm Window**							
	Start Time HH:MM							
	Stop Time HH:MM							
	Arm Window							
	Start Time HH:MM							
	Stop Time HH:MM							

WARNING: OWNER'S INSTRUCTION NOTICE NOT TO BE REMOVED

REFER TO INSTRUCTIONS N8988 FOR ADDITIONAL INFORMATION

TEST BURGLARY SYSTEM WEEKLY

This equipment should be installed in accordance with the National Fire Protection Association's Standard 72 (National Fire Protection Assoc., Batterymarch Park, Quincy, MA. 02269). Printed information describing proper installation, operation, testing, maintenance and repair service is to be provided with this equipment.

WARNING:
THIS UNIT MAY BE PROGRAMMED TO INCLUDE AN ALARM VERIFICATION FEATURE THAT WILL RESULT IN A DELAY OF THE SYSTEM ALARM SIGNAL FROM THE INDICATED FIRE CIRCUITS. THE TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS) SHALL NOT EXCEED 60 SECONDS. NO OTHER INITIATING DEVICES SHALL BE CONNECTED TO THESE CIRCUITS UNLESS APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION.

CIRCUIT (ZONE)	CONTROL UNIT DELAY-SEC	SMOKE DETECTOR MODEL	SMOKE DETECTOR DELAY-SEC

THE DELAY TIME MARKED ON THE INSTALLED DETECTOR(S) IS TO BE USED

TYPES OF FIRE SIGNALLING SERVICE:
Manual fire alarm, automatic fire alarm, sprinkler supervisory and waterflow alarm. UL Listed local control (non-coded). UL Listed central station and remote station protected premises unit when used with 5140DLM back-up dialer module. Installation limits under jurisdiction of local authority.

Attach 5140DLM module to main PCB shield using 4 standoffs (supplied)

BACK-UP LINE SEIZE LED (GREEN)

The 5140DLM Dialer Complies with FCC Rules, Part 68 FCC Reg. No.: AC398U-68628-MO-N Ringer Equivalence: 0.7B

Connect to main PCB header J3 using ribbon cable (supplied)

BACK-UP PHONE JACK SEE TELCO JACK SHOCK WARNING BELOW — RJ31X

(connect using supplied cable) Supervision is programmable

BACK-UP DIALER ON HOOK VOLTAGE THRESHOLD (BLUE) INTACT: 25V CUT: 13V

BACK-UP DIALER EARTH GROUND SCREW (wire to main PCB terminal #30)

OPTIONAL 5140DLM BACK-UP DIALER MODULE

MAIN PCB SHIELD

J2 VOLTAGE TRIGGERS
See instructions for trigger use and programming (default functions shown)
1. OUT 4 (SILENT PANIC/DURESS)
2. OUT 7 (TROUBLE)
3. OUT 3 (BURGLARY/AUDIBLE PANIC)
4. OUT 6 (SUPERVISORY)
5. OUT 2 (FIRE)
6. OUT 5 (REMOTE KEYPAD SOUNDER)
7. OUT 1 (OPEN/CLOSE)
8. GROUND
9. IN 1 (N.O. LOOP)

RATINGS: OUT 1, 5, 7: LOW: 2K TO GROUND HIGH: 10 - 14VDC, 20mA MAX
OTHER OUTS: LOW: 1K TO GROUND HIGH: 10 - 14VDC THRU 5K

VOLTAGE TRIGGERS (not supervised) — J2

Make connections using 4142TR cable (not supplied)

MAIN DIALER ON HOOK VOLTAGE THRESHOLD INTACT:25V CUT: 13V — W6 (BLUE)

INTERFACE TO 5140DLM — J3

BATTERY TABS BLK − + RED

Connect to 12V, 12AH min/34.4AH max lead acid batteries using cables supplied. See instructions for required capacity. Float charging voltage: 13.7VDC. Battery normally need not be replaced for at least 3 yrs.

BELL CIRCUIT SUPERVISION JUMPERS
INTACT: Supervised using 2k EOLR
CUT: Not supervised (no EOLR used)
BELL 1 — W1 (WHITE) BELL 2 — W4 (WHITE)

KEYPAD PORT #2 — J4

Make connections using 4142TR cable (supplied) (not supervised)

J4 KEYPAD PORT #2
See instr. regarding port #2 use
1. GROUND (to keypad black wire)
4. DATA IN 2 (to keypad green wire)
5. AUX PWR #2 (to keypad red wire) Rating: 10 - 14 VDC, 400mA max. See note 1
7. DATA OUT 2 (to keypad yellow wire)

PINS 2, 3, 6, 8 & 9 NOT USED

CONNECTION OF THE FIRE ALARM SIGNAL TO A FIRE ALARM HEADQUARTERS OR A CENTRAL STATION SHALL BE PERMITTED ONLY WITH THE APPROVAL OF THE LOCAL AUTHORITY HAVING JURISDICTION. THE BURGLARY ALARM SIGNAL SHALL NOT BE CONNECTED TO A POLICE EMERGENCY NUMBER.

MAIN — RJ31X — Connect RJ31X using cable supplied. Supervision is programmable — **PHONE JACK**

OPTIONAL REMOVABLE TERMINAL BLOCK KIT: ADEMCO NO. 4142BLK

TRNSFMR 1 2 | BELL OUTPUTS 3 4 5 6 | AUX. RELAY 7 8 9 10 | KEYPAD PORT #1 11 12 13 14 | ZONE 1 15 16 | ZONE 2 17 18 | ZONE 3 19 20 | ZONE 4 | ZONE 5 21 22 | ZONE 6 23 24 | ZONE 7 25 26 | ZONE 8 27 28 | 29 30

AC WIRING IS SUPERVISED

TRANSFORMER W/ENCLOSURE
ADEMCO No.1451 (supplied)
INPUT: 120VAC, 60HZ, 1.0A max. Connect to a dedicated circuit.
OUTPUT: 18VAC 72VA

OUTPUT (BL BL) — INPUT (WH BLACK)

BELL 1 + − BELL — HORN — 2k (note 2)
BELL 2 + − BELL — HORN — 2k

ALARM POLARITY SHOWN

N.O. POLE N.C. SPARE AUX POWR #1

AUX RELAY (FORM C) programmable response (not supervised) Contact Rating: 28V, 2.8A resistive loads

AUXILIARY POWER #1
Rating: 10 - 14VDC
1.0A MAX (STANDBY)
1.7A MAX (ALARM)
See note 1.
(not supervised)

+ − Red Blk Grn Yel — Data in, Data out
REMOTE KEYPADS: 6139, 6139R SEE NOTE 3

2-WIRE SMOKE DETECTOR LOOP — SMOKE — N.C. N.O. — 2k (note 2)
2-WIRE SMOKE DETECTOR LOOP — SMOKE — N.C. N.O. — 2k
N.C. N.O. — 2k
N.C. N.O. — 2k
N.C. N.O. — 2k
PROGRAMMABLE AS TAMPER LOOP — N.C. N.O. — 2k
PROGRAMMABLE AS KEY SWITCH LOOP — N.C. N.O. — 2k
2-WIRE GLASS BREAK DETECTOR LOOP — GLASS BREAK — N.C. N.O. — 2k

POLLING LOOP — 4209U — 4192SD SMOKE — 4208U

WARNING: TO PREVENT RISK OF ELECTRICAL SHOCK, DISCONNECT TELCO JACK BEFORE SERVICING THIS PANEL

EARTH GROUND See instructions for proper earth ground connections

NOTES

NOTE 1: The combined standby current drawn from aux pwr #1, aux pwr #2 and polling loop cannot exceed 1.0A.The combined alarm current drawn from aux pwr #1, aux pwr #2, polling loop, bell 1 and bell 2 cannot exceed 2.3A.

NOTE 2: 2k EOLR is Ademco model 610-7

NOTE 3: See instructions on setting addresses & for max # of keypads and wire run length restrictions. Keypad color subject to approval of local authority.

Each output may be selected for Style Y supervision or no supervision (See main PCB jumpers W1, W4 and program field 3*10)

FIRE CKTS: Supervise using 2k EOLR. Use polarized sounding devices.

BURG CKTS: Supervision not req'd. EOLRs not req'd. May use non polarized devices.

Ratings: 10 - 14VDC, 1.7A max. See note 1, see instructions for compatible devices.

For commercial fire, bell timeout must be a minimum of 6 minutes.

ALL CIRCUITS ARE POWER LIMITED EXCEPT THE OUTPUT OF THE 1451 TRANSFORMER

ZONE 1-8 NOTES
- All zones provide Style B supervision
- Zone resistance (excluding EOLR):
  - Zones 1, 2, 8: 100 ohms max
  - Other zones: 300 ohms max
- Zone response: 350 - 500mS (all zones)
- Ratings for zones 1,2:
  - 10 - 14VDC
  - 2mA max for smoke det. (up to 16 detectors of the type specified in the instructions can be used)
- UL compatibility ID: A

Do not mix fire and burg. sensors on one loop. N.C. contacts for burg. usage only.

TO OTHER DEVICES
Polling Loop Ratings: (supervised) 128mA max. See note 1. See instructions for compatible devices and for max wire run length

The VISTA-128 Main Dialer Complies with FCC Rules, Part 68 FCC Reg. No.: AC398U-68192-AL-E Ringer Equivalence: 0.7B

VISTA-128FB
SUMMARY OF CONNECTIONS

165 Eileen Way, Syosset, NY, 11791
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